

# SOUTHERN TEXTILE BULLETIN

VOL. XVIII.

CHARLOTTE, N. C., THURSDAY, NOVEMBER 27, 1919

NUMBER 13



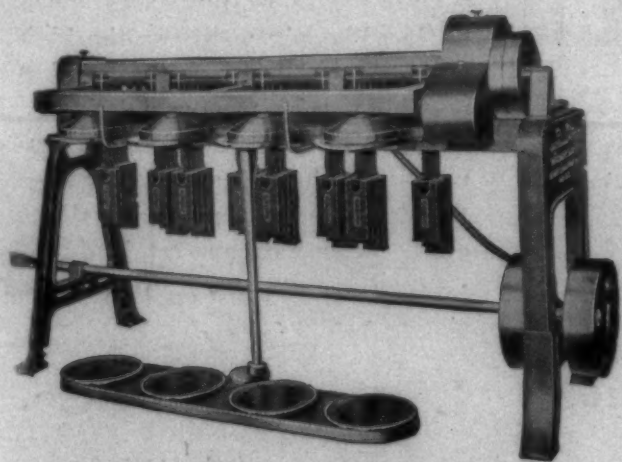
## For All Warp Sizing

will make your weaving run BETTER. Needs no other compound, oil or tallow. Carries the starch into the yarn where it will not shed.

*Makes Stronger and Smoother Yarn Which Means More Production From The Looms*

**CHARLES R. ALLEN** MANUFACTURER  
DISTRIBUTOR **Charleston, S. C.**

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STANDARD DRAWING FRAME

## TEXTILE MACHINERY

**Complete Waste  
Reworking Plants**

ROGERS W. DAVIS, Southern Agent  
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# Charlotte Manufacturing Co.

INCORPORATED 1911

## Card Clothing and Reeds

— SOLE SELLING AGENTS —

# The Textile Mill Supply Co.

INCORPORATED 1898

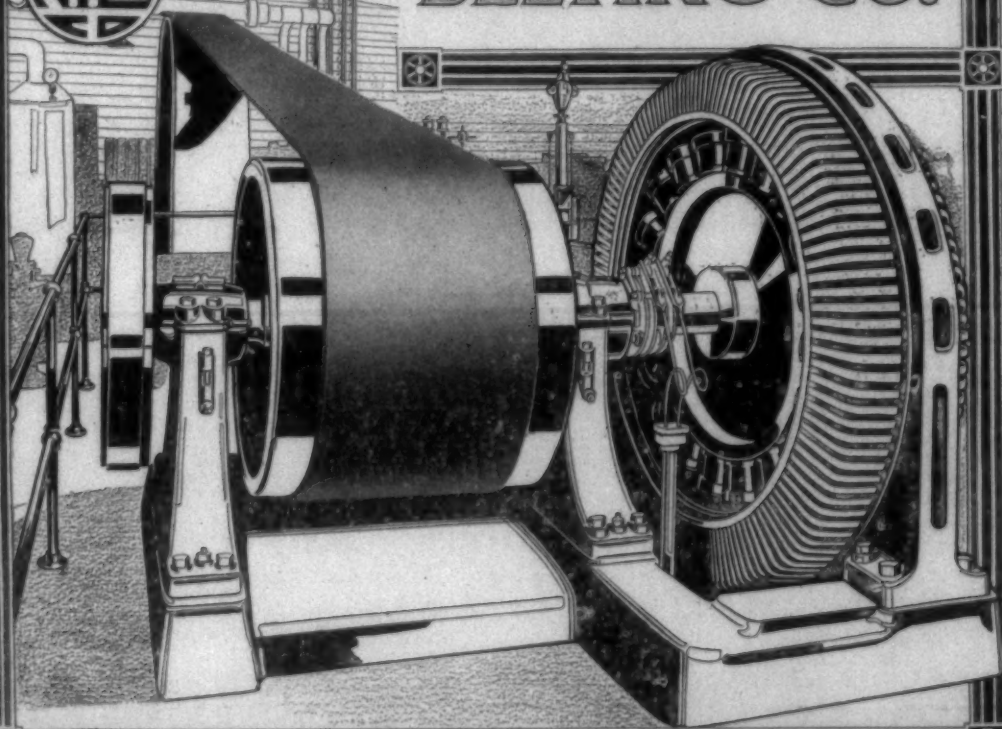
CHARLOTTE, N. C.

Everything in Mill and Factory Supplies

## NEW-YORK-LEATHER



## BELTING-CO.



## Phoenix

Phoenix is giving a good account of itself on hard drive and high speed service. It's a first quality leather belt carefully constructed—one of the N. Y. L. B. brands.

Characteristic of properly tanned leather Phoenix possesses the high coefficient of friction that makes possible maximum power delivery. N. Y. L. B. Leather Belting is tanned by the long-time vat process—the strength and long life qualities of the steer hide are retained.

Write for literature on Phoenix.

**New York  
Leather Belting Co.**

Kent Ave. and So. 11th Et.,  
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# Read About This Nervy Offer— And Why It Wasn't Taken Up

D. F. OSBRIEN, President and Mgr.

H. G. PERKINS, Vice Pres.

P. A. SMITH, Treas.

T. F. HALPIN, Secy.

## The A. H. Smith Mfg. Co.

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MACHINISTS AND FOUNDERS

East Orange, N. J. August 15, 1919.



Mr. John F. McGuinness,  
Sales Engineer,  
Hyatt Roller Bearing Company,  
New York, N. Y.

Dear Jack:

When you made that nervy offer to me a week ago to replace my line shaft hangers with any kind on the market if I could find any better than Hyatts I thought it was a bully chance to get a new transmission outfit free.

Talked it over with our master mechanic however, and he said, "Nix," and here's why. We started to use Hyatts over sixteen years ago in our old plant and when this shop was built about ten years ago we made them standard equipment.

When the little old war came along we landed some contracts that made it necessary for us to put up many new lines of shafting and here, we thought, was a chance to get away from the old-fashioned Hyatts and put in some new kind of bearing. This lead to tests, honest-to-goodness ones, with all the principal makes running side by side on different jack shafts.

I don't believe in telling a salesman too many good things about his line, but the answer to those tests are the completed purchase orders from us in your files.

So you see you will have to show me and it will take a lot of showing to separate us from the good, old, honest Hyatts that for so long helped us in making the wheels go round.

What's the big idea, Jack?

Sincerely yours,

*P. A. Smith*  
(Treasurer & Buyer)

P.S. The fact that your bearing is split was a great benefit to us in the war days with mushroom millwrights and frequent changes in positions of shafting.

*P. A. S.*

MOTOR BEARINGS DIVISION  
DETROIT, MICHIGAN

HYATT ROLLER BEARING COMPANY  
INDUSTRIAL BEARINGS DIVISION  
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TRACTOR BEARINGS DIVISION  
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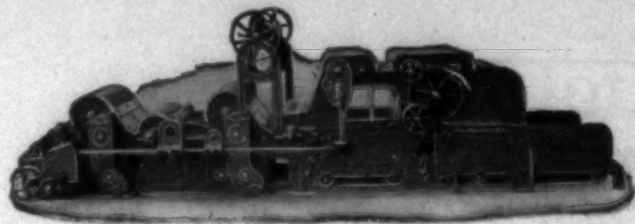
Manufacturers of Bearings for mine cars, ore cars, steel mill cars, roller tables, trolleys, cranes, hoists, machine tools, line shafts, counter shafts, concrete machinery, textile machinery, conveyors, lifttrucks, industrial trucks, railway service cars, storage battery locomotives, etc.

B177

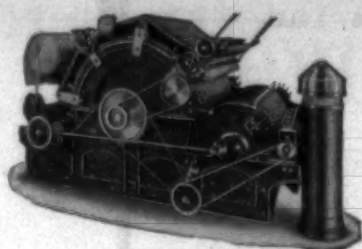
# Hyatt Bearings For Line Shafts

## Woonsocket Machine & Press Company, Inc.

WOONSOCKET, R. I.



Complete Picker Room Equipments



Complete Card Room Equipments

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## EASTON & BURHAM MACHINE COMPANY

Pawtucket, R. I.

Upright Bobbin Spoolers

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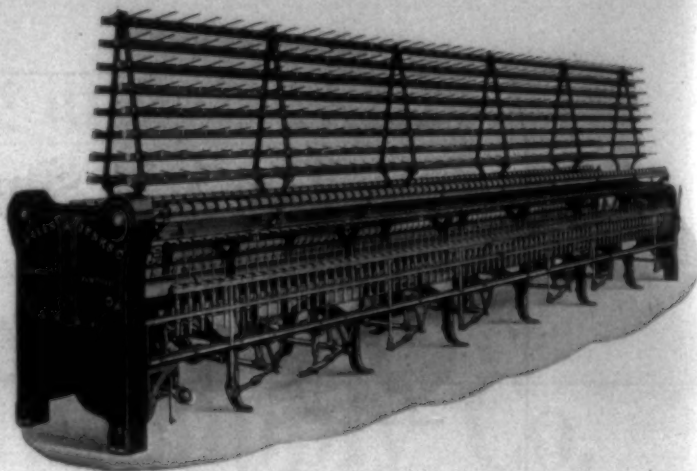
and

Spindles of all kinds

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## FALES & JENKS MACHINE CO.

PAWTUCKET, R. I.



STANDARD RING TWISTER

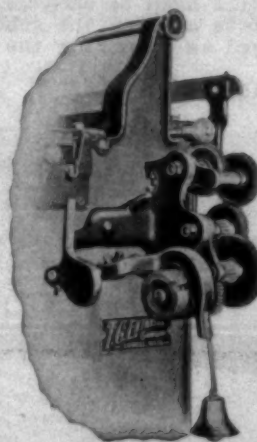
Complete line of Ring Spinning  
and Twisting Machinery

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Established 1886—Incorporated 1901

F. B. KENNEY, PRESIDENT, LOWELL, MASS.



ENTWISTLE LEASE CLOCK

LEESES FROM 100 TO 1,600 YARDS  
WITHOUT SET-BACKS OR MISTAKES

Each of the 10 grooves of the scroll represents a lease. The arrangement of the gearing is simple, the cut and lease gears are interchangeable.

Measuring Roll has Ball-Bearings, thus eliminating strain on yarn and assuring accuracy.

An Indicating Clock can be used with Lease Clock if desired and acts as a check on same, besides showing operator when end of lease is near as well as the total yardage.

Our catalogue, which will be furnished on request, gives a full description of Lease and Indicating Clocks.

SEND FOR OUR CATALOGUE ON

BALL WARPERS

DOUBLING MACHINES

BEAM WARPERS

EXPANSION COMBS

BEAMING MACHINES

CREELS

BALLING MACHINES

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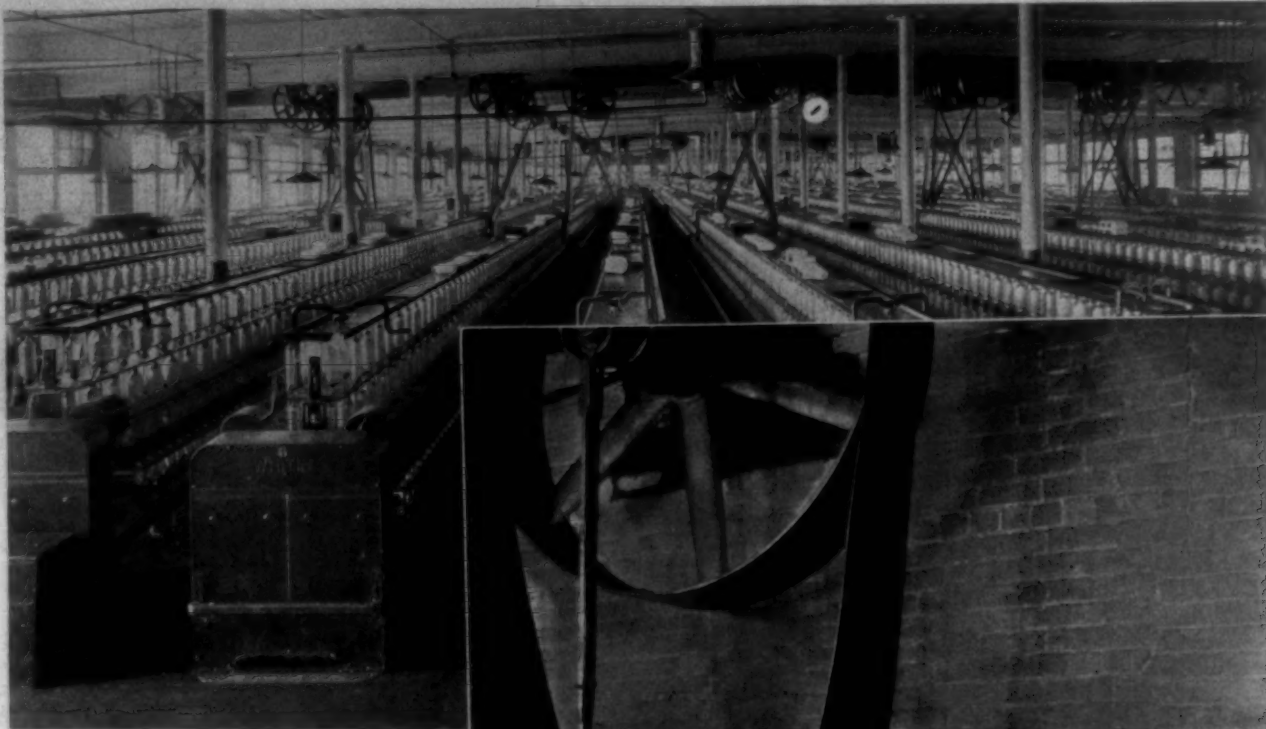


# SLIP — PRODUCTION — COST

GROWS AND GROWS

LESS AND LESS

MORE AND MORE



NORTHERN MILL BEFORE CHANGE  
TO MORSE SILENT CHAIN DRIVES  
(NAME NOT RELEASED)

THE owners investigated, determined **BELT SLIP** and power, fuel and maintenance loss, compared production with makers standard and the higher, constant, A1, uniform production secured by mills using **MORSE Silent Chain DRIVES**, then placed a Rush order for complete **MORSE DRIVE** equipments.



TAKING UP THE DRIVING BELT—IS THIS YOUR CONDITION?

**MORSE SILENT CHAIN DRIVES** where you now have belts will eliminate worry, attention, trouble, slippage and power loss. Morse Silent Chain Drives for your spinning and twister frames, line shafts, openers, pickers, knitting machines, pumps, fans, elevators, etc., will insure continuous operation, increased production and a full utilization (99% efficiency) of the driving power. Oil baths not required.

IN THESE STRENUOUS TIMES EARLY SPECIFICATIONS OF REQUIREMENTS ARE DESIRABLE TO INSURE PROMPT DELIVERIES

WRITE FOR 1920 MEMO. AND DIARY.

## MORSE CHAIN CO.

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BOSTON, MASS. .... 141 Milk Street  
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Largest Manufacturer of  
Silent Chains in the World

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KANSAS CITY, MO. .... Morse Engineering Co., R. A. Long Bldg.  
MINNEAPOLIS, MINN. .... Strong-Scott Mfg. Co., 413 Third St. S.  
ST. LOUIS, MO. .... Morse Engineering Co., Chemical Bldg.

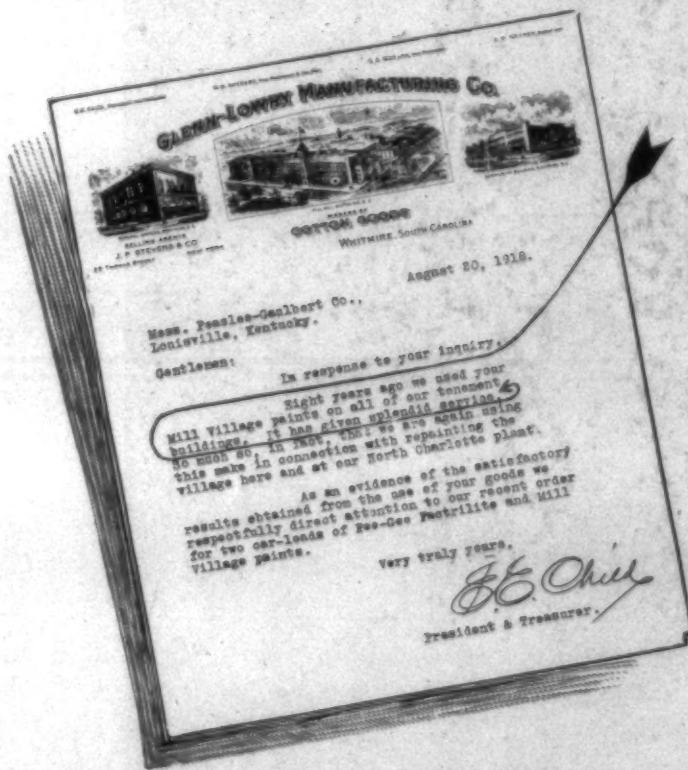
"Morse is the Guarantee Always Behind the Efficiency, Durability and Service



# Pee Gee Industrial Paints

SINCE 1867

The economic up-keep of mill cottages merits your closest attention. An inviting looking, well-kept mill village reflects credit upon you and helps the community spirit and loyalty of your employees. Good paint—Pee-Gee Mill Village Paint—will not only add to the appearance of your Cottages—but prolongs their life and protects them against the elements as well.



Read what Mr. E. E. Childs, President of the Glenn-Lowry Manufacturing Company, says regarding

## Pee Gee Mill Village Paint

**For Exteriors** Is a combination of lead and zinc, lasts longer, goes farther and is superior in every respect to paint made of lead alone. It will not crack, peel or chalk off, and will give the best possible results in point of wear, beauty and finish.

**For Interiors** Especially made to withstand the hardest use, dries readily with a high gloss finish and can be easily cleaned with soap and water. For this reason it has proved the most economical paint for Mill Cottage Interiors.

### Other Pee Gee Industrial Paints

that will prove helpful to you in the efficient and economic upkeep of your mill

**Pee Gee DREADNAUGHT BLACK**

FOR METAL SURFACES

**Pee Gee PORTLANITE**

FOR CEMENT, CONCRETE AND BRICK

**Pee Gee FIROFEND**

FIRE RETARDANT PAINT

**Pee Gee FACTRALITE**

FOR INTERIOR WALLS AND CEILINGS

**Pee Gee UTILITY RED OXIDE**

FOR WAREHOUSES AND OUTBUILDINGS

**Pee Gee FERRONITE**

RUST INHIBITIVE METAL PAINT

Write Today for Booklet on "Pee Gee Industrial Paints"

**PEASLEE-GAULBERT COMPANY, Inc.**

Paint Grinders—Varnish Makers

Est. 1867

LOUISVILLE, KENTUCKY



# SOUTHERN TEXTILE BULLETIN

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VOL. XVIII.

CHARLOTTE, N. C., THURSDAY, NOVEMBER 27, 1919

NUMBER 13.

## Impress of World Cotton Conference

Twenty men, dining together at the Union League Club in New York a few days ago, perfected the financial arrangements for the permanence of the "World's Cotton Conference," inaugurated last month at New Orleans. The dinner was also a farewell testimonial to Sir A. Herbert Dixon, the president of the conference and chairman of the official Control Board regulating textile industry in Great Britain during the war.

Mr. Wilson, the permanent secretary, who is acknowledged to have been the prime mover for the conference and its mainspring of continuance, is especially gratified at the success of the initial gathering and looks forward with anticipation to the success of the next such world cotton gathering in Manchester, England. In an interview with a representative of the Journal of Commerce he declared that the New Orleans session really accomplished more than might appear to the casual observer of the proceedings and, in his opinion, laid basic foundation for further points of harmony in the industry.

In company with President Dixon were the two vice presidents representing the United States and the general secretary—Russell B. Lowe, Fuller E. Callaway and Rufus R. Wilson. Mr. Lowe, of Fitchburg, Mass., is suggested as being in line for election as the next president of the National Association of Cotton Manufacturers, and Mr. Callaway is chairman of the boards of directors of the banks and mills of LaGrange, Ga., the new model mill town which may well be the pride of the South.

"Never before in any part of the world has there been an assembly of such magnitude and so representative of the textile industry as the gathering in New Orleans," he said. "Invitations were literally world-wide, formally extended through our Department of State as well as by the correspondence of the committee of arrangements, supplemented by the personal appeal of a special committee that went to Europe. It is, therefore, gratifying that the response was so general and sympathetic.

"Outside of our own country, Great Britain, France, Italy, Belgium, Holland, Switzerland, Spain, Portugal, Sweden, Norway and the newly created State of Czecho-Slovakia—practically all of Europe, ex-

cept Germany and Austria, were formally represented. Every significant part of the cotton industry or the world was joined in this conference.

"Naturally, the largest foreign delegation came from Great Britain, a country that excels all other nations, not excepting our own, in the extent of her manufactures of cotton, and less exposed than her allies to the ravages of war.

"Co-operation was the keynote of the rally; the open sesame to confidence, as Mr. Callaway has remarked. In the votes on the resolutions and reports submitted to the conference an extraordinary concord was demonstrated. The delegates were registered in eleven classes, representing Growers, Ginners, Seed Crushers and Manufacturers of Seed Products, Compressors, Cotton Merchants, Transportation and Insurance, Banking, Governments and Economics, Spinners and Manufacturers—American Spinners and Manufacturers, Foreign—Textile Merchants, Converters and Finishers. It is therefore, remarkable and encouraging that the reports and resolutions submitted by eight leading committees were unanimously adopted by all eleven classes.

"In other cases the committee reports were, without exception, powerfully supported, but unanimous agreement was requisite to stamp a resolution as the official conclusion of the Conference. As to specific accomplishments, it is encouraging that the curt and forceful resolutions with preamble reported by the Committee on Warehousing and Country Damage were so convincingly presented that they were adopted with unanimous approval, as follows:

American cotton is more wastefully handled than any other non-perishable product in the world. From the field to the loom the preventable waste, including expenses and tolls due to bad processes and uneconomical methods, amounts to from \$10 to \$20 a bale. This aggregate the alarming total of from one hundred to three hundred million dollars a year.

The warehousing of cotton, both South and North, needs reorganization and standardization. It should be placed upon a broad national footing, so that a receipt for cotton stored in any warehouse will be as

sound collateral in Minnesota or Maine as in the locality where the particular warehouse containing the cotton is situated.

Cotton being a commodity of international importance, arrangements should be made with British and other European banks, insurance companies and manufacturers, to the end that the foreign buyer of, or lenders upon, the staple may store their cotton in the warehouse of the United States while awaiting shipment abroad and enjoy the same protection and privilege as if such cotton were stored in their own local communities.

Your committee, therefore, recommends the passage by the Conference of the following resolutions:

Resolved, That the Conference insists upon the importance of erecting warehouses at all gins or other points where baled cotton is held, either for short or long periods. No bale of cotton should ever be left exposed to either wind, sun or rain.

Resolved, further, That the Conference recognizes the paramount necessity for warehouses, and pledges its support and influence to those individuals, associations or communities who undertake to establish at proper trade and transportation strategic points warehouses that will furnish:

1. Proper physical protection to the bales.
2. Low fire insurance rates.

## German Vat Colors Expected by Jan. 1.

German vat dyes should be in this country by the first of the year in sufficient quantities to meet the requirements of American consumers for a six months' period. This statement was made by Dr. Charles H. Herty, of the American Chemical Society, in the course of an interview with a newspaper representative. Dr. Herty frankly discussed his two months' trip abroad as representative of the United States Government to negotiate for dyestuffs embodied in the Treaty of Peace, and said, in view of the present harmony existing among all interests concerned with the obtaining of the dyes, there was no reason why they should not be here by January 1. Shipping instructions have already been cabled abroad, Dr. Herty pointed out, saying that the one big thing left to do is for the American fac-

3. Receipts showing weights, and grades of the bales covered by them.

4. Financial strength and methods and scope of operation that will make these receipts acceptable in all world markets, either to the purchasing buyer or to the lending banker.

"Never before have the facts been so driven into the entire cotton industry and so unshakably clinched. With like pertinence every report that was unanimously adopted; at least eight distinct accomplishments of the conference.

"I have not the faintest thought of claiming revolutionary effect for any resolution. Defects and losses in the growing, handling, transportation, storage, selling and financing of the world's cotton crop will not be expunged in a year or two, and perhaps not for ten years to come. But betterment has certainly been punched along and will be pressed from now on by the new and potential World Conference Organization.

"The impress of the week at New Orleans will be reinforced within a month and spread over the world by the circulation of thousands of copies of the "World Conference Book," to be distributed to every public and private library of any note in the world and every institution seriously interested in the promotion and welfare of textile industries."

tors to the negotiations to continue to act as a unit and co-operate at every turn.

"Co-operation is essential to the continued success of our negotiations, however," stressed Dr. Herty. "We are now all working together, and must continue to do so if our efforts are to be crowned with permanent success. The delays occasioned in the negotiations have been solely due to lack of harmony, but everyone is working together now and this solid front must be maintained at all costs, not only for the immediate benefits that may accrue, but to insure protection in the future to the American dye industry."

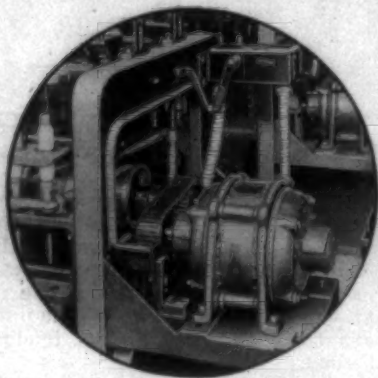
While arrangements were arrived at with the Entente representatives by Dr. Herty whereby the United States was entitled to withdraw 1-

(Continued on page 27.)



# Some Applications of the Silent Chain Drives

The Silent Chain Drive is comparatively new. The Morse Chain has been made commercially since about 1902, and its use has increased very rapidly until there is now scarcely an industry where it has not been applied to advantage. Units have been installed arranging from 1-4 H. P. to 5,000 H. P. at speeds from 6,000 revolutions per minute



Spinning Frame Drive Efrd Mills.

to 240 revolutions per minute and less.

The U. S. government has been a very large user of this form of drive for a number of years, especially during the war. Most every design of submarine had a number of chain drives. They were used in the steering mechanism, diving mechanism and on ballast pumps. There were one or more Silent Chain Drives on practically every battleship. In plants working on munitions of war, there were thousands of drives. These were used principally to increase production, on account of their high efficiency and because of their reliability.

The name "Silent" was originally used to differentiate this type of chain from the Roller Chain. You all know from your knowledge of bicycle chains that a roller chain when it is new, engages all the teeth on the sprocket which it wraps. This is only true for a short time. As the chain lengthens, only one tooth is in engagement at one time and as this lets go, the chain drops back to the next tooth with a snap and jerk. This makes the chain noisy and subjects it to excessive strains, which sooner or later cause it to break. The theory of the Silent Chain is, that, as the chain lengthens, it climbs further and further out on the teeth of the sprockets, automatically assuming its true pitch circle. All the teeth in the arch of contact take an equal share of the load and the engagement and disengagement is smooth and with inappreciable noise.

There are several different makes of Silent Chain Drives, I can only speak with authority on one. These differ principally in the type of joint, method of guiding the chain on the sprockets and the treatment given the materials entering into the construction. The Morse Chain has a two-piece joint. The pins rock or roll, one on the other, as

the chain goes on and off the sprockets. With this type of joint, there is very little friction loss, and this means very little wear and consequently longer life. These joint pins are case hardened. The links, also, undergo a heat treatment which makes them both hard and tough. The chain is guided on the sprockets by internal links which run in corresponding grooves turned in the face of the sprockets. On account of the construction of the joint, copious lubrication is not required or desired and the purpose of the chain case is purely to keep the chain from throwing off grease; to protect it from dust and dirt and to insure safety.

I believe this subject will be of interest to you at this time inasmuch as this drive is now being used extensively in the textile industry, and having passed through the experimental stage, it has been proved that distinct advantages followed its use. In the early days, the field that seemed to be most easily cultivated was the application to machine tools, line shaft drives, compressor drives and special applications followed along rapidly. While this is now being advertised quite extensively and has grown to a very large business, we still consider that Silent Chain makers have hardly scratched the surface of possible business. To us who have been associated with the development of the drive for a good many years, there often comes a shock when some one states he never heard of the Silent Chain Drive.

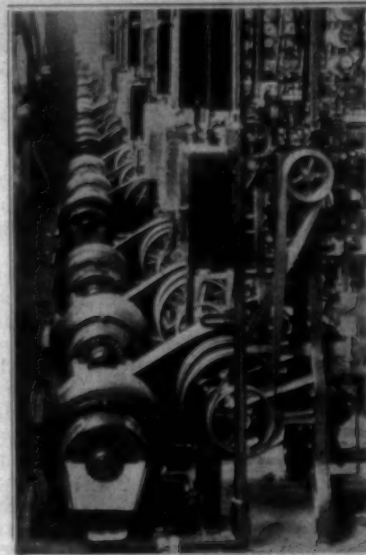
It was about 1908 or 1909 that we first began to realize the possibilities of the Silent Chain Drive in Textile Mills. Our work at that time was mainly among the New England mills. In woolen mills from the first, the drive has been most successful. There are thousands of drives in these mills that have been running ten and twelve years with practically no repairs.

Silk mills also have used chain drives for a good many years on individual motor driven machinery as well as for line shaft and counter shaft drives and the results here have been as satisfactory as in woolen mills.

To be frank, we were not so successful at first in applying this drive to cotton working machinery. On cotton machinery, the speeds were high, the drives were run exposed and the cotton fly had a tendency to dry up the lubricant. The motors were usually mounted on the floor and it seemed to be very hard to maintain proper alignment as these older motors seemed to have an objectionable amount of end play in the armature. We tried to develop a special chain, our No. 26 type, which would be effected less by poor alignment, but this was not entirely satisfactory. After that as orders were received, the standard type of chain was furnished and on the whole these seemed to work out satisfactorily.

About 1912 considerable interest

special attention to the installation, developed in drives for spinning and twister frames. We were able to get much better results by giving taking care that everything was rigid; that the alignment was maintained and that the chain was protected. It was not necessary to run the drives in an oil bath, but simply to enclose them to keep away the fly which had a tendency to dry up the lubrication. Our experience leads us to believe that cotton fly is of an abrasive nature which causes rather rapid wear. The motors were mounted on brackets attached to the foot end of the frame. In this way, the drive was made self-contained and the installation



Silk Mill Julius Kayser Twisting Room.

was more rigid and better alignment was secured. This bracket had been developed for the spur gear drive and in a number of cases, the chain drive went in on practically the same centers as the gear drives. We did not consider this good practice and discouraged it, adopting eight to ten inch centers as standard. The bracket most generally used today, is a very slight modification of the old one. There are now a number of different methods of mounting the motors. These will be illustrated with slides a little later. We are now co-operating with the spinning frame manufacturers, motor manufacturers and others on refinements which will make this type of installation more rigid, the alignment more perfect and the sprockets more accessible to change.

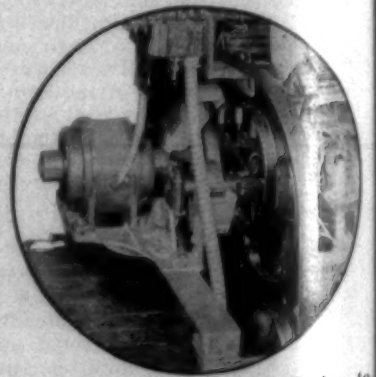
This application of the Silent Chain Drive with the other methods of driving these machines; the mechanical drive, that is, with the open and cross belt and what is known as the bicycle drive; with the four frame drive where one motor drives four frames by means of belts; with the geared motor drive, and the drive where the motor is directly coupled to cylinder shaft. With the chain drive, there is no slip and cylinder shaft must go at a certain fixed speed, regardless of

surrounding conditions. With the belted frames, this is not the case and no two frames will run at the same speed. This will vary with the tension in the belt which, of course, is influenced by the humidity. It also will vary with the amount of fly that is carried under the belt. To keep the speeds anywhere near constant, it is necessary to be continually taking up the belts, cleaning and dressing. The belts are continually carrying and fanning about the room fly and dirt and depositing it on the yarn as slugs, etc.

Undoubtedly, from the first textile mill engineers have realized the desirability of getting away from the mechanical drive, for with this drive, there is an immense amount of power lost on line shaft and counter shaft bearings and belt slippage. These besides decreasing production, lower the quality of the yarn. The introduction of electric power has shown great possibilities in this direction and with the electric motor has come the problem of transmission between motor and frame. It is my understanding that mills whose frames are positively driven are getting a better price for their product. By eliminating the maze of belts that obstruct the light in a spinning room, the efficiency of the workers is increased and the appearance improved materially.

I am not sure how the first cost of the mechanically driven mill compares with the motor driven mill, but it would seem that with over head shafting, hangers, etc., the mill construction would have to be more expensive and with belting at the price it is today, there cannot be much saving.

The four frame drive offers the advantage of eliminating more or less belting, over head shafting and hangers, but there is still present the objectionable features of the belt drive which need not be gone over again except to call attention to the fact that no two frames of the four, driven from a single motor, will maintain the same speed, this will change with the tension in



Application Motors and Chains to Old Spinning Frame, Saxton Mills.

the belts and with frames being thrown on and off I believe varies as much as one hundred revolutions per minute.

I have read somewhere that the first cost of mill with group drives



is greater than with individual motor or four frame drives and that while the four frame drive is the cheapest, any saving is offset by decrease in efficiency and quality of product.

The gear drive eliminating belts is a big stride in the right direction. It makes the frame self-contained,



Top View Chain.



Bottom View Chain.

clean and safe. The first cost may be a little greater than with the four frame drive, yet, the difference is slight. However the gear drive is too rigid, the motor does not pick up its load readily; it requires very careful aligning and this is hard to maintain, a good deal of vibration is set up which means objectionable noise and wear and tear on motor and frame. The life of the gears is not satisfactory and to change cylinder speed for different size yarns, sometimes requires changing both gears.

The direct connection, that is, where motor armature is coupled direct to cylinder shaft necessitates a slow speed and more expensive motor. The speed is fixed and it is necessary to keep to a very small range of yarn sizes, absolute alignment is

essential, and as with the gear drive the motor does not pick up its load readily, and more or less vibration is always present.

As I have outlined the advantages and disadvantages of the different drives, you have probably unconsciously compared each with the silent chain drive. This is positive under all conditions, self-contained, reduces vibration to a minimum, runs quietly, has a certain amount of flexibility which permits the motor to pick up more easily, gives very satisfactory life, reduces wear and tear on motor and frame to a minimum, it is only necessary to change motor pinion to work on different size yarns, while first cost is fairly high, operating cost is low, as there are fewer ends down and less attention is necessary; a superior yarn is produced, and production is increased.

One of our customers who has used the drive over three years writes:

"Since my last report to you of June 2, 1917, I have changed the driving pinion of the motor, from a 26 to a 28 tooth, this gives me 114 R. P. M., on the front roll of my spinning frames, in place of 108, an increase of about 5 1-2 per cent or 30 per cent above Whitin Standard on the same number of yarn, which is (80/1 combed). With the same number of turns per inch. The work looks and runs every bit as good as before, and the change has not effected the breaking strength in any way.

"One factor that might be of interest, is, that we have our first

complaint to receive on our yarn, the same being used by some of the largest and best thread and silk mills of our country. My object in bringing this before you, is to show one how superior such a drive is over the belt from the standpoint of fly and dirt from the pulleys and belts getting into the work and causing the customer to complain of slugs, etc."

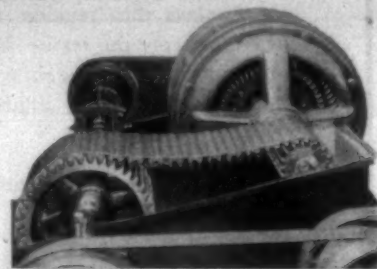
This same customer states that, in working on 70s and 80s, average 75s, he is able to run his front roll at 112 r. p. m. against 89.6 r. p. m. Whitin Stand, a gain of 22.4 r. p. m. or 25 per cent, that at this speed he produces per ten hour day per spindle .09 pounds or 0.18 pound more than Whitin standard. That with a total of 18,144 spindles, in a year of 302 3-4 days of 10 hours each, he produces 494,379 pounds or 98,906 pounds more than Whitin standard, or approximately 25 per cent. That he has a mill with four frame drives running on exactly the same work, try as he may he cannot average more than 98 r. p. m. on front rolls which means the chain driven frames run 14.6 per cent faster with an increased production of 72,178 pounds per year. The breaking strength 75s soft twist 27.7 pounds, American standard warp twist 24.6 pounds.

Another enthusiast writes:

"In the first cost the individual drive lies between the group and four frame, the latter being the cheapest of the three. In fact, this is the greatest recommendation. The difference, however, is not great when all the story is told and the

greater production of the direct drive puts it on a plane by itself, where it yields results altogether unattainable by any other method of drive."

I would not give you to understand that the Silent Chain Drive is fool-proof or requires no attention. It is necessary to watch out for certain things. First, in connecting up the chain see that the joint pins are properly inserted, be sure rocker is not left out and is not put in backwards, that the sprockets are kept in alignment and that the shafts are parallel. As the chain wears, it lengthens in pitch and climbs further and further out on the teeth of the sprockets. By holding a light behind the larger sprocket, it is easy to observe how far out on the teeth it is riding. When it is far enough out, so it skips over and jumps a tooth or ceases to run



Line Shaft Drive in Silk Mill.

smoothly, it should be replaced. In most cases, it is possible to repin a chain and restore it to pitch.

The chains are ordinarily assembled in multiples of two links and it (Continued on Page 29.)



# United Chemical Products Corporation

*Importers, Exporters and Manufacturers*

**York & Colgate Sts., Jersey City, N. J.**

## Aniline Colors

Acid, Direct, Basic, Chrome and Sulphur

## Sumac Extract

Logwood, Hematine, Gambier, Fustic, etc.

## Chemicals

Softeners, Sizes and Finishes. Soluble Oils, Textile Soaps and Gums

**INQUIRIES SOLICITED**

Southern Representative, R. T. GRANT, Charlotte, N. C.



## One Branch of a Giant Industry

**T**EXTILES comprise fabric and color. The fabric is right when the color is right. They stand or fall together. This is why the dyestuff producer must consider his work as a factor in a larger industry.

The textile industry is a great industry. Its annual output is valued at more than one billion dollars. But it is singularly dependent upon the dyestuff producer. Fabric without color is unthinkable.

The National Aniline and Chemical Company, Inc., recognizes this relation to the textile consumer. It is here to serve the textile industry. It is dependent upon that industry for encouragement and for existence. If it does not serve that industry adequately it will have no reason for existence.

The production of dyestuffs is a share in the work of a giant industry.

### National Aniline & Chemical Company

Incorporated

Main Sales Office: 21 Burling Slip, New York

Southern Office and Warehouse  
236 West First Street, Charlotte, N. C.

## PAPER and PAPER SPECIALTIES

Wrapping Paper, Bags, Twines, Tissue, Towels, Toilet, Waterproof Case Lining Cone Wrapping Sealing Tape and Tape Machines, Drinking Cups, Cups Machines, Card Boards, Fibre and Corrugated Cases and all kinds of Paper for the Printing Trade.

We carry a large stock and can make prompt shipments.

Write us for Samples and Prices.

### CASKIE-DILLARD CO.

(INCORPORATED)

PAPER FOR EVERY PURPOSE

LYNCHBURG, VA.

### Cotton Goods Production in India Shows Decline.

In the 12 months ended March, 1919, the total production of cotton yarn in Indian mills was 615,000,000 pounds, as compared with 661,000,000 pounds in the preceding 12 months, or a decline of 7 per cent, according to figures from Calcutta published in the London Times. As compared with the average of five pre-war years, the present figure shows a decrease of 32,000,000 pounds, or 5 per cent.

The total quantity of woven goods manufactured in the year was 350,000,000. This shows a decrease of 31,000,000 pounds, or 8 per cent, as compared with the quantity manufactured during the preceding year, but an increase of 90,000,000 pounds, or 35 per cent, over the pre-war average.

The rise in the price of imported piece goods last year, in comparison with 1913-14, is worked out in the following percentages: Gray, 87.4; bleached, 155; dyed, 150; fents, 150. Of Indian piece goods the average price in annas per yard has increased in gray goods from 2.44 to 5.95, and in dyed goods from 3.04 to 7.10. In the last peace year the net imports were 3,135,000,000 yards, and the net production of Indian manufacture retained in the country was 1,075,500,000 yards. The annual net average of imported piece goods during the war years was only 1,766,000,000 yards, while the Indian manufactures retained in the country rose to an average of 1,290,000,000 yards. Excluding the production of hand-loom cloths, for which there are no statistics, there was 13.6 yards of cloth per annum per head of the population in 1913-14, while in the five war years the average worked out at only 9.28 yards per head.

### Favors Penrose Dye Resolution in Amended Form.

Approval of the amended Penrose dye resolution, which provides for continuation until January 15, 1920, of the existing authority for control over imports of dyestuffs, was expressed recently by Herman A. Metz, a leading factor in the dyestuff importing trade.

"American consumers ought to get the dyes they need, if there is any way of getting them," said Mr. Metz. "I think it proper that the present system of issuing licenses for imports be continued. Much can happen between now and January 15, 1920. By that time we shall know more about how much dyes are available in Germany and what they cost, and we shall be better able to judge whether new legislation is advisable.

"My own understanding is that the supply of dyes in Germany is limited and that prices are as high as they are here. When the Germans quote prices, they do not quote in marks, worth about three cents, but in American dollars."

When his attention was called to reports from Washington that importers of dyestuffs are active in endeavoring to block the importation of vat dyes from Germany for which

Dr. Herty, representative of the War Trade Board, has secured an option in his own name, and which he proposes to bring in for distribution through the Textile Alliance, Mr. Metz disclaimed knowledge of such opposition.

"If any importers are taking that stand," he said, "I don't know who they are. I certainly am not opposed to Dr. Herty's getting whatever vat dyes he can and distributing them through the Textile Alliance. The trade needs them and ought to have them. We can't make them over here, and I don't know whether or not he was able to find enough over there to meet the needs of consumers here.

"The published reports, I note, say that he was able to secure enough to meet the requirements of American consumers, but nobody knows what those requirements are. If France and England can get vat dyes, then we ought to have them. Of course, if nobody is to get them, then we will find some other way of taking care of our needs."

### Swan & Finch Company Acquire the Cataract Refining & Mfg. Company's Interests.

Announcement is made of the purchase by Swan & Finch Company of the Cataract Refining & Mfg. Co., of Buffalo.

The Cataract Company operates large lubricant plants at Buffalo and Chicago, and maintains branch offices and warehouses in eight of the principal cities in this country besides four in England, Scotland and Canada. The increased manufacturing and marketing facilities afforded by these will give to the Swan & Finch Company a pre-eminent place in the lubricant field.

The Cataract Company has given particular attention to the development of specialties in grease lubricants, such as cutting compounds, drawing compounds, etc., and practically every recognized form of lubricating grease is included in their line.

Swan & Finch Company, since 1853, has been one of the leading oil and grease producers of the country. It is the world's largest refiner of Menhaden Fish Oil. Lubricating oils of all kinds, greases in great variety, semi-liquid oils, and also the numerous vegetable oils are among its products.

With the two refineries now operated by the Swan & Finch Company and the Cataract plants at Chicago and Buffalo, there will be a production of unlimited capacity. The numerous warehouse stocks strategically situated from coast to coast will insure a service nowhere before possible.

Henry Fletcher, former president of Swan & Finch Company, is chairman of the board of directors; W. G. Moncrieff, formerly president of the Cataract Company, becomes president of the Swan & Finch Company; H. C. Hutchins, vice president of the Cataract Company, will become a vice president and director of sales; George Elliott Brown will be vice president and secretary, and John T. Lee, vice president and treasurer.



# West Point Utilization Co.

(Owned by West Point Manufacturing Company)

Capital \$2,000,000.00

PLANT AT FAIRFAX, ALABAMA



## Contractors for all Grades of Cotton Waste



Address all Communications to  
**West Point Utilization Company**  
WEST POINT, GA.

## WHITIN MACHINE WORKS

ESTABLISHED 1831  
TEXTILE MACHINERY

Manufacturers of the following machines:

### COTTON MACHINERY

Opening	Drawing Frames
Conveying	Roving Frames
Distributing	Spinning Frames
Picking	Spoolers
Revolving Flat Cards	Twisters
Sliver Lap Machines	Reels
Ribbon Lap Machines	Quillers
Combing Machines	

### COTTON WASTE MACHINERY

#### COTTON AND WOOLEN SYSTEMS

Openers	Revolving Flat Cards
Pickers	Derby Doublers
Willows	Roving Frames
Card Feeds	Spinning Frames
Full Roller Cards	Spoolers
Condensers	Twisters
Special Spinning Frames	

### WOOLEN MACHINERY

Card Feeds	Condensers
Full Roller Cards	Wool Spinning Frames

### WORSTED MACHINERY

Cone Roving Frames

MAIN OFFICE AND WORKS  
**WHITINSVILLE, MASS. U.S.A.**  
SOUTHERN OFFICE CHARLOTTE, N.C.

## Its Worth Knowing

Why Textile Mills All Over  
the Country are Using



The Wise Mill Owner knows that this is the original product of the New York & New Jersey Lubricant Company, pioneers in the manufacture of special textile lubricants.

He knows that the quality of NON-FLUID OIL is always uniform and its use insures perfect lubrication and reduction of power waste caused by friction.

He knows that the use of NON-FLUID OIL eliminates oil stains on the product, because NON-FLUID OIL is made strongly adhesive by our special process and positively will not drip or spatter.

And the careful Mill Superintendent knows that a lubricant like NON-FLUID OIL that does not spatter all over is more economical both in the amount of lubricant used and in the labor required in applying it.

You should know of the advantages of NON-FLUID OIL in the interests of your mill.

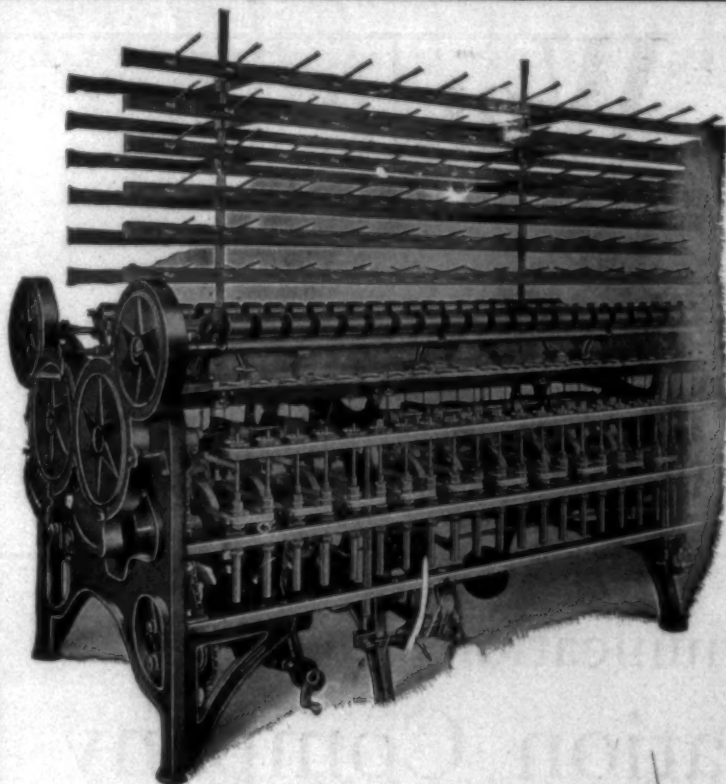
Write today and ask us for testing samples and a copy of our latest bulletin on the "Lubrication of Textile Machinery."

**New York & New Jersey  
Lubricant Company**

165 Broadway,

New York

Branch Warehouses: Charlotte, N. C.; Atlanta, Ga.  
Lewis W. Thomason, District Mgr.,  
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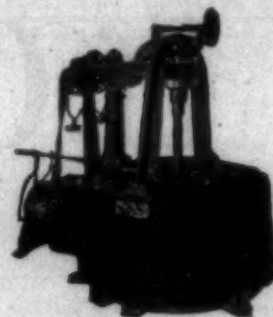


TAPE-DRIVEN TWISTERS

Save 50 per cent. operative power  
Produce more even yarn

COLLINS BROTHERS MACHINE COMPANY, Pawtucket, R. I.

FRED H. WHITE, Southern Manager, Charlotte, N.C.



SELF-BALANCING BASKETS  
26 to 72 inches.

## Tolhurst EXTRACTORS FOR TEXTILES

SPECIAL CATALOG

**Tolhurst Machine Works**  
Troy, N. Y.

SOUTHERN REPRESENTATIVE  
**FRED H. WHITE, Realty Building**  
Charlotte, N. C.



**"Future" Market in Chicago Urged  
By Cotton Expert.**

Chicago.—The cotton trade needs another "future" market today, and Chicago is already provided for most of the essentials for it, Theodore H. Price, of New York, editor of Commerce and Finance, and an expert on cotton financing told Chicago business men at a luncheon given by the Chicago Association of Commerce at the Hotel La Salle.

In an introductory address, Chairman Price told of how the suggestion had emanated from the South about 40 years ago that a cotton exposition be held in this city. An emissary had been sent to the Gulf States to look into the matter but nothing had eventuated.

In the introduction of his talk, Mr. Price told his audience of the relative importance of the cotton industry in the business world, and gave them some idea of the financial problem involved in marketing and distributing the cotton crop.

The ideal cotton "future" market he maintained, was the one where the most happy combination of storage and distribution facilities, financial resources and nearness to the cotton fields was to be found.

"There are today two cotton future markets in the United States," Mr. Price went on. "New Orleans where there are adequate warehouses and enough capital to finance and cotton that may be stored in them, is one of them. The New Orleans future market is not, however, the logical place in which to trade in cotton that is, for example, held in Omaha, or St. Louis for ultimate shipment to New England or Europe. Should it become necessary to liquidate contracts sold against it by delivery of cotton, it must be diverted from its original objective at a large loss to the owner. The same statement holds good in regard to cotton held outside all of that part of the cotton belt not directly tributary to New Orleans.

"The only other cotton future market is in New York, where the system in trading in futures was first developed about six years after the Civil War, when the comparative poverty of the Southern States made them dependent upon the financial accommodation that New York could furnish, and enabled the merchants of that city to insist that cotton whose production they financed should be shipped to the metropolis for sale.

The cotton mills in the New York district consume all cotton stored there without waiting for delivery on future contracts.

"It is as a result of enlargement of the Welland Canal, now in progress, it becomes possible to load ocean-going steamships at Chicago," said Mr. Price, "it would be entirely practical to ship cotton directly from here to Liverpool, and it is quite thinkable that within the comparatively near future Chicago may become a cotton port of the first importance, through which a large portion of the cotton that moves to Europe between May 1 and Dec. 1 might be shipped.

"There is also to be considered

the oft-made suggestion that your point it out.

drainage-canal and its connections should be made navigable for steamboats that ply the Mississippi River, so without change or transfer from here to New Orleans and vice versa. If these things were done, Chicago's destiny as a cotton market would be so obvious that it would not be necessary for me to

to carry cotton more cheaply than our American railroads."

The suggestion he was making Mr. Price said, would not, in his opinion, be of disadvantage to either the New York or New Orleans market.

"In Chicago you are already provided with most of the essentials to such a market," said Mr. Price.

# Cozy - Attractive - Economical Homes

for  
Industrial  
Villages



## QUICKBILT BUNGALOWS

Manufactured in large quantities, after patented methods. Especially adapted to industrial villages. Used by many of the largest corporations.

**Thoroughly substantial. Costs less than half the ordinary house. Quickly erected. Absolutely guaranteed.**

Saves architect's, contractor's, lumber dealer's and jobber's superfluous profits. Cost of manufacture and erection cut in half.

**It Will Pay you to Investigate.**

Address

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**A. C. Tuxbury Lumber Co., Charleston, S. C.**



# POTATO CORN STARCH

Tapioca Flour      Sago Flour  
Dextrine and Gums  
For SIZING and FINISHING  
Oxalic Acid

**STEIN, HALL & CO., Inc.**

61 Broadway, New York City

Boston  
Philadelphia  
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Providence  
Troy  
San Francisco

Chicago  
Cleveland  
Cincinnati

"All that you need are warehouses and advertisement necessary to bring business here. The former will cost but little, and the mere announcement that you have determined to establish and support it will be nearly all the advertisement that is required.

"To your merchants the Chicago cotton market will mean a substantial addition to their distributive trade. To your bankers it will bring new opportunities for the employment of their money and to members of your Board of Trade it will bring a great increase in their commissions."

## Open Playground at Judson Mill.

On Saturday afternoon at 2:30 o'clock the formal opening of the Judson Mills playground took place at Judson, near Greenville, S. C. The playground has only recently been added to Judson Mills, and is yet not finished. Several features will be added in the spring, among them a wading pool for the weets who cannot enjoy the swimming pool.

Herman H. Beyer, an able and efficient landscape gardener and playground promoter, is employed by Judson Mills, and much credit is due him for his splendid work in installing the apparatus. Few playgrounds in the South can boast of being so well equipped. Miss Martha Marie Sanders is the recreational leader of Judson Mills, and has charge of the playground work.

The following program was carried out:

Band selection.  
Short address by President B. E. Geer.

Band selection.  
"I See You," Danish folk dance, First grade.

Races—Hundred yard dash, three-legged race, sack race.

"Weave the Wadmal," Swedish folk dance, Patriotic League girls.

Band selection.  
Playground exhibit—Giant stride, horizontal ladder, swinging rings, ocean wave, swinging, teeter boards, shoot-the-shoots, ring games.

Volley ball—(1) Boys; (2) girls.  
Basketball—Senior team vs. Victor team of Greer. Junior double team of Judson.

Tennis—(1) Singles; (2) doubles.

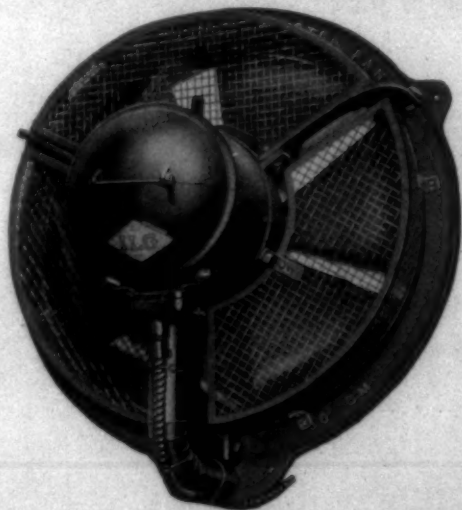
## German Cotton Mills Unite to Obtain Credit.

Germany's cotton goods industry, realizing that its lack of credit is threatening it with disaster, is amalgamating for the purpose of floating a loan which will enable it to purchase the raw materials without which it cannot continue, according to a summary of the situation by George Goethein, former minister of finance, in the National Zeitung of Basle.

"The situation in the textile industry is serious, particularly as concerns cotton," the former minister writes. "There is immediate need for several hundred millions of marks in gold.

"Germany is completely stripped of cotton. The lack of cotton goods for wear, table and bed linen, even

## Self Cooled Motor Propeller Fans



### DISTINCTIVE FEATURES

**FRAME**—Flanges are liberally proportioned, protecting fan wheel and making a pleasing and durable installation possible.

**SUPPORT ARMS**—Form forged from machine steel, light, strong and non-breakable.

**WHEEL**—Steel spokes and rims electrically welded, blades stamped to template and electrically welded to spokes. Hub bored and reamed, making wheel perfectly true and running without vibration, insuring long life to bearings.

**MOTOR RING**—Securely bolted to arms. Motor is machined circular to template, which makes it practical to install motor and frame separately without disturbing alignment.

**SELF-COOLED FEATURE**—The only fan in the world on which the motor is protected, but cooled. These fans handle air at temperatures as high as 400 degrees F. safely. They also handle acids and moisture without fear of danger to motor. Motor is open for complete inspection by throwing back hood.

**OILING SYSTEM**—Bearings are connected by copper pipe so that both bearings are oiled from front. No danger, no chance to neglect back bearing.

ILG fans are easy to take care of; therefore they are taken care of.

**Ilg Electric Ventilating Company, Chicago, Ill.**

Steam Turbines and Centrifugal Pumps  
**DeLaval Steam Turbine Co.**  
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SALES ENGINEER

406 Commercial Bank Building  
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Triplex and Deep Well Pumps  
**Rumsey Pump Co.**  
Seneca Falls, N. Y.

Fans and Blowers  
**Ilg Electric Ventilating Co.**  
Chicago, Ill.



among the members of the well-to-do class, is absolutely unparalleled. It happens frequently that the children in the less fortunate families have not a single shirt.

"The question naturally is one of transportation and especially of raw cotton. But the cotton industry in Germany is split into an infinite number of small establishments which have no credit abroad, and the cotton trade has not inexhaustible financial capacity. There is certainly a call for a union of all the factories or a trust or some sort of association which could obtain, by means of securities, the necessary credits. Steps have actually been taken to bring about such a union and the solution seems not far off."

#### Report Shows Less Cotton Ginned in 1919.

Washington, Nov. 24.—Cotton ginned prior to November 14 amounted to 7,577,826 bales of lint, including 83,643 round bales; 17,067 bales of American Egyptian, and 4,226 bales of sea island, the Census Bureau announced today.

Prior to November 14 last year 8,706,420 bales, including 127,034 round bales, 6,873 bales of American Egyptian, and 20,854 bales of sea island were ginned.

Ginnings this year by States follow:

Alabama, 571,703; Arizona, 26,848; Arkansas, 478,011; California, 26,132; Florida, 14,920; Georgia, 1,455,400; Louisiana, 230,564; Mississippi, 635,412; Missouri, 28,943; North Carolina, 604,929; Oklahoma, 486,020; South

Carolina, 1,186,080; Tennessee, 156,735; Texas, 1,659,725; Virginia, 14,574; all other States, 1,630.

Ginnings of sea island follow: Florida, 2,180; Georgia, 564; South Carolina, 1,482.

#### Hosiery Makes Big Advance.

Philadelphia.—Advances in the prices of hosiery since November 1 are said by manufacturers to have been greater than in any month before, during or since the European war. Values have gone to levels where, some jobbers say, transactions in hosiery are becoming extra hazardous. According to a St. Louis jobber who has been in the market retail dealers assert that at last the consumer is vowing he or she will do more mending and less buying. This is not borne out by trustworthy reports from merchandising centers, which are to the effect that retail business is brisk, and similar statements come from what is known as the cross-road trade.

For gratifying curiosity, several manufacturers and jobbers compared prices of today with those of December, 1918, on 15 lines of mercerized and cotton hosiery, and found there had been an average advance of about 52 per cent.

Buyers making up their budgets for the coming year report having considerable difficulty with the merchandise men of their respective houses, the latter affecting to be unable to see any reason for appropriating 20 per cent more, at the least, than was acquired for the current year.

#### On the job—everlastingly

In textile mills everywhere Laminar Receptacles will be found "on the job" and they stay on the job year after year.

With the severity of the duties of a roving can—the bumps, knocks and general hard usage to which it is subjected—it is not any wonder that particular mill men have adopted the Laminar Roving Can. It's a can that stands up—always looks well—and always works well.

#### LAMINAR Mill Receptacles

are made of VUL-COT Fibre, a hard-wear-resisting material that has three times the tensile strength of leather, and, for a number of purposes, even will outwear steel.

Write for illustrated bulletin of Laminar cans, cars, boxes and baskets, the standard of service for textile mills.

American Vulcanized Fibre Co.

Sole Props. and Manufacturers  
New England Dept.  
12 Pearl St., Boston, Mass.  
C. C. Bell, Vice President  
Res. Manager  
Head Office and Factories:  
Wilmington, Del.



#### SLASHING COSTS SLASHED!

By Using

"AMALOL" and "LIBERTY GUM"  
IN YOUR SIZE

These two "Amalie" brand Textile Products boast of numerous users amongst Souths Leading Cotton Mills.

#### YOU CAN BE SURE THAT

- 1—The tensile strength of the fibre will be increased 15 to 20 per cent.
- 2—Shedding and Mildew will be wholly eliminated.
- 3—Better and more uniform whites will be obtained.

Let us ship you a barrel of each on APPROVAL

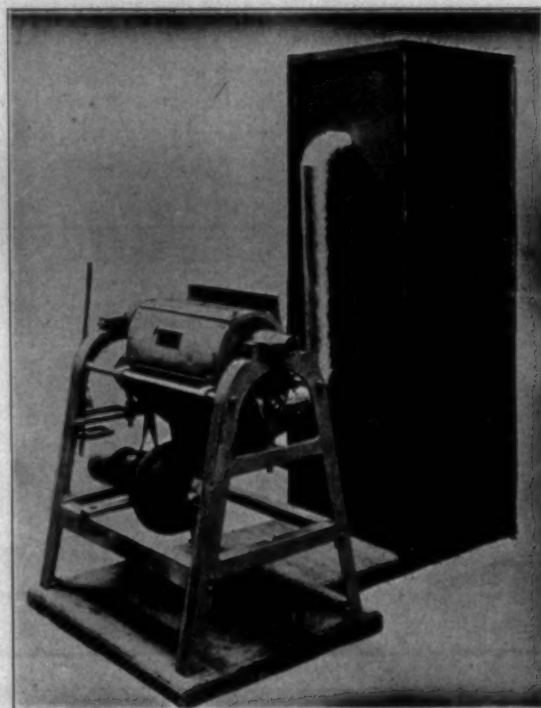
**L. SONNEBORN SONS, Inc.**

262 Pearl Street, NEW YORK, U. S. A.

BRANCHES IN IMPORTANT CITIES

Manufacturers of the famous "Amalie" Lubricating Oils and Greases

## Saves Time, Labor and Bobbins Increases Production



#### MONARCH BOBBIN CLEANER

A practical machine for both large and small mills to clean roving bobbins from spinning frames.

#### ADVANTAGES CLAIMED:

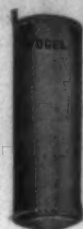
- 1 Saving of Spinner's Time.
- 2 Saving of Bobbins.
- 3 Less waste created and less fibre destroyed.
- 4 Increase in production
- 5 Elimination of accidents that occur by use of the knife.
- 6 Spinner is relieved of an unpleasant, disagreeable and unproductive job.

Write for particulars and prices.

Manufactured by

**Monarch Bobbin Cleaner Company**

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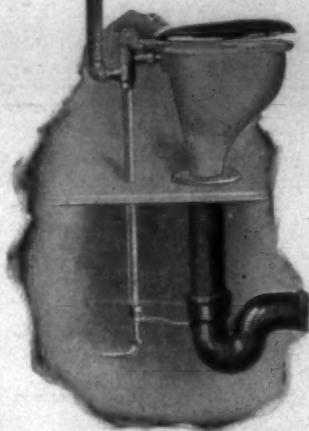
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PATENTED

## Frost Proof Closets

Over 300,000 giving satisfaction. Save Water; Require No Pit; Simple in the extreme. The most durable water closet made. In service winter and summer.

Enameled roll flushing rim bowls.



Heavy brass valves.

Strong hard wood seat.

Heavy riveted tank.

Malleable seat castings will not break.

Sold by Jobbers Everywhere.

**Joseph A. Vogel Co.**

WILMINGTON, DELAWARE

### England Can Fill Orders of World for Cotton Goods.

"The world is still in need of cotton fabrics of various kinds, and there is no country in the world which is in a position to satisfy the requirements of customers except Great Britain." This statement was made by Frederick W. Tattersall, in discussing the bright prospects for the trade in Lancashire. Writing in the London Sunday Times, Mr. Tattersall says:

Since the beginning of October, Lancashire cotton spinners and manufacturers have experienced an important buying movement on the part of customers abroad, with the result that, compared with a few weeks ago, order lists have been extended, and the position of producers distinctly strengthened. It is a long time since the tone of the Manchester market was so strong as at the moment. The freer operations have been stimulated by the probability of still higher prices in the future, and the way in which buyers have paid stiff rates and given long delivery terms has rather surprised sellers. There is now more definite evidence of demand being greater than supply and there are fears in some quarters that before the end of the year there will be a decided scarcity of both yarn and cloth.

On the question of raw cotton supplies, it is of interest to point out that Great Britain is using much less of the American staple than a few years ago. According to fig-

ures just published by the Liverpool Cotton Association, shipments from the United States to this country during the past four years have been equal to rather less than 21 per cent of the total while in the five years ending 1915, the amount exported to Great Britain was over 25 per cent, and in the five years 1885-1890, over 41 per cent.

On the other hand, spinners in the United States are using more and more of the raw material. Their takings during the past four years have been nearly 58 per cent of the total, against less than 40 per cent in the five years ending 1915 and less than 33 per cent in 1885-1890. These statistics are significant and indicate the trend of events.

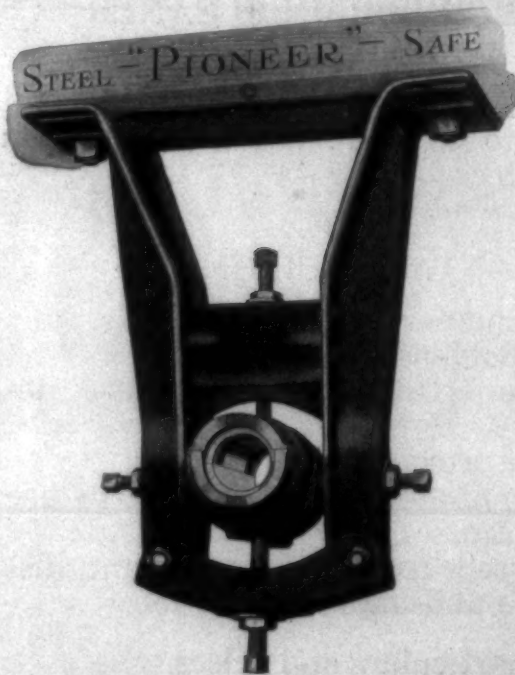
After the signing of the armistice last November there was a period of very dull trade in Lancashire for nearly six months but in April there was a distinct improvement in the demand, and since then spinners and manufacturers have been very busy. It must be said, however, that during this period, India buyers have not done their share, and have shown much timidity as to placing orders on a free scale.

This attitude has caused much comment as in pre-war days the natives of India consumed 40 per cent of the cotton goods exported from Great Britain. During the past week, however, a decided revival of buying has taken place for our dependency.

Manchester merchants have received instructions from dealers in Calcutta and Bombay to buy on the

Originated 1904

Perfected 1914



Patented and Patents Pending

## "PIONEER" Steel Hangers

### Secure Safety Absolute

Remember the safe equipment of your plant is just as important as safeguards. Steel shaft hangers are an important requisite in SECURING CONDITIONS OF SAFETY in the operation of your plant. Steel hangers are just as necessary for preventing accidents as are guards and goggles. A steel hanger does not break. A cast iron hanger is liable to break at any time and let fall couplings, pulleys and belts on your employes. No plant can be considered safe where such danger exists. Progressive manufacturers and those having charge of accident prevention work are installing

### Unbreakable "Pioneer" Steel Shaft Hangers

in their plants because they furnish the safest possible hanger conditions. Do not wait until a serious accident convinces you. Equip your plant for 1919 with the Unbreakable "PIONEER" Steel hanger. Your inquiry will receive our careful and prompt attention.

**STANDARD PRESSED STEEL CO.**

PHILADELPHIA

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Standard Pressed Steel Company  
Philadelphia, Pa.

"ARROW" BELTING  
Selling Agent

Hyatt Roller Bearing Company  
Metropolitan Tower, NEW YORK

**COTTON STATES BELTING & SUPPLY CO., Atlanta, Ga.**



best possible terms, and local shippers have not been slow to take advantage of this discretionary power with the result that more contracts have been booked for India during the past week than in any week this year.

Most standard cloths are fully sold up to the end of next March, and plenty of firms have contracts on the books which will not be completed until next June. A large trade has also been done for China and the minor markets of the Far East, such as Java and Singapore. Very encouraging advices are being received from Shanghai as to trade prospects in that part of the world. It seems quite impossible to satisfy the requirements of merchants in Egypt and the Levant.

A welcome improvement has recently shown itself in the demand for the markets of Central and South America. Of course, with cloth being sold freely, there has been a big demand for yarns, and in both American and Egyptian descriptions an extensive business has been put through during the past fortnight. Yarns suitable for China have attracted considerable attention, and in some cases delivery terms extending up to next June have been arranged.

It must be said that production of the spinning mills and weaving sheds is not coming up to expectations, quite apart from the decrease in output which has been anticipated as a result of the reduction in working hours. In certain weaving districts, there is a distinct shortage of work people and thousands of looms are standing idle which might be worked very profitably if operatives were more plentiful.

The scarcity of competent labor is said to be partly due to the fact that many women are not now working in the sheds because their husbands and brothers are getting such big wages. If the industry continues active the trade union leaders are almost certain to approach the employers as to a general increase in wages when the present agreement expires next April, but before that time many things may happen.

The general prospects for Lancashire are undoubtedly very bright. It can scarcely be expected that prices will remain on the present level for ever, but there are no indications at the moment of lower values in the near future. Buyers, therefore, are confident that goods bought today will be well worth the money when made and delivered even if contracts are not completed for six months ahead. The world is still in need of cotton fabrics of various kinds, and there is no country in the world which is in a position to satisfy the requirements of customers, except Great Britain.

Machinery Exchange in the Southern Textile Exposition Building, Greenville, S. C.

The management of the Southern Textile Exposition, Incorporated, has made arrangements and plans for opening the Textile building to various machinery agencies and

other concerns catering to the textile industry.

This use of the building is the consummation of the purpose for which it was designed, that is, to maintain in the South a permanent, comprehensive exhibit of various classes of textile machinery equipment, and where interested purchasers can arrange for their entire equipment, as well as observe actual samples of what they are planning to buy.

It is proposed to offer to selected representatives of textile machinery manufacturers and textile accessories office quarters in the building, together with display space for showing their products.

Concerns owning stock in the building and through whose co-operation the development has been made possible, will be given first opportunity to secure space. Assignments to be made in order received until the spaces are exhausted.

The display will be in the nature of areas on which live machinery can be displayed, or where cases and samples will be on exhibition at all times.

The offices will be modern in equipment, well lighted, heated and ventilated and will be directly adjacent to the space or area that will be assigned to each concern.

Twenty spaces are available to start with, which number can be increased, if necessary, and the management is planning to offer these first twenty spaces to the interested public.

The advantages of this Textile Exchange will be obvious to those interested, in that it will be consolidating a large number of textile lines under one roof, whereby each member of the Exchange will be able to give their fellows the benefit of their advice and other information relative to their products. Furthermore, it will enable interested purchasers to get prices, or buy their entire equipment in one building. It will enable members to pool, or consolidate, their office operating expenses, and will also carry with it, and insure the exhibiting privileges for space at the regular Southern Textile Expositions that are held every two years.

Where desired, arrangements can be made among themselves of groups of agencies, or connections can be made to sub-divide a single concession, and thus divide the expense.

The rentals for space will be reasonable, and practically no higher than would be charged for similar space in a first class office building.

Application for membership in the Exchange will be strictly by invitation, and the management reserves the right to receive, or reject, any request for space or concessions.

It is easy enough to be pleasant,  
When nothing at all runs amiss;  
But the man worth while,  
Is the man who can smile,  
When he reads a bum verse like  
this. —Omaha Whirl.

A toy motion-picture machine for home use has been invented that uses the regular size films.

## Nickel-Plated Drop Wires

—in any size or style at only—

25¢ per thousand

above the price for regular finish. Our drop-wires are made of the best grade steel wire.

STEEL HEDDLE MANUFACTURING CO

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Southern Office

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Hampton Smith, Sou. Mgr.

N. B. We are the sole manufacturers of Nickel-Plated drop wires for every kind of loom.

## Starch Eagle Finishing

The experience of critical operators has shown that popular brand to be the most efficient sizing agent both for additional **WEIGHT** and increased **STRENGTH** of warp. Penetration accomplishes these important results.

**EAGLE FINISHING** is specially manufactured to cover a wide range of fluidities to meet the needs of all classes of weaves.

**EAGLE FINISHING** penetrates.

Corn Products Refining Co.

NEW YORK

Southern Office: GREENVILLE, S. C.

## Starch



# SOUTHERN TEXTILE BULLETIN

Published Every Thursday by  
**CLARK PUBLISHING COMPANY**  
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DAVID CLARK.....Managing Editor  
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THURSDAY, NOVEMBER 27, 1919

### Followers Work the Roads.

The trial of the textile union men who participated in the strike disorders at Albemarle, N. C., on September 15th resulted in twenty-eight men pleading guilty of conspiring against the Effrd and Wiscassett Mills, and thereby escaping the more serious charge of conspiracy to murder the sheriff of Stanley county.

Marvin Ritch and J. H. Graham, the men who were directly responsible for the trouble, escaped by each paying fines of \$600 and costs amounting to probably \$300, while the mill operatives who participated in the disorders under the advice and inspiration of Ritch and Graham were sent to work the roads.

In other words Ritch and Graham each disgorged \$900 of the money they had collected from the mill operatives or perhaps kept their graft and made the union treasury pay their fines while those who had joined the union at their solicitation and been aroused to deeds of lawlessness by their doctrine of hate must wear prison stripes.

While with shovel and pick they are improving the roads of Stanley county they will have time to think of the new order of things that has been brought about by the smooth tongues of their new found friends.

There was peace and harmony at Albemarle and in addition to repeatedly advancing wages, both of the

mills at that place had shown a real and genuine interest in the welfare of their employees.

The operatives were content until Ritch and Graham, self-appointed guardians of their welfare, saw in them a golden harvest of initiation fees and dues and with insidious speeches and statements began to arouse a feeling of hate where there had been friendship. They gathered into the union treasury, whose outlet, few men know, hundreds of "dollar and a half" fees and started the stream of fifteen-cent weekly contributions and in order to make themselves more solid started a strike.

Afraid that the operatives of the Effrd and Wiscassett Mills would not be willing to commit violence against those who had always been their friends they wired for toughs from High Point, Kannapolis and Charlotte and when they arrived there was a shooting affray in which several men including the sheriff were badly injured.

Ritch and Graham, the men who started the trouble, and who brought to Albemarle the outside men who caused the lawlessness, have had to dig up \$900 each from their ill-gotten funds or from the union treasury, while the mill operatives who listened to their doctrine of hate are breaking rock and digging roads in prison stripes.

Just as the kaiser escaped the penalty of his crimes and lives in Holland in plenty, while those whom

he sent into war are in hunger and poverty, so Ritch and Graham, men whose very natures abhor labor, are free while the mill operatives whom they sent into lawlessness are suffering in prison stripes.

Neither the kaiser, Ritch nor Graham care.

When the disorders occurred at Albemarle we were confident that the professional disturbers were at the bottom of it and sent, at our own expense, an attorney to Albemarle to get together the loose strands of evidence.

While the detectives were getting evidence they were in constant communication with our office and we routed them to this place and that over the district and pointed out to them the men who knew things. They uncovered evidence that would have in all probability sent Ritch and Graham to the roads if they had not plead guilty to the fourth count and thereby avoided trial on the fifth count. Incidentally they secured evidence that will make it unhealthy for a certain organizer to return to this section.

The mill operatives should learn a lesson from the Albemarle trouble for some of them have the idea that a union card is a permit to commit lawlessness.

Employees have a right to organize, but being organized does not give them a right to injure property or to insult those who do not join the union.

Union operatives have rights and privileges equal to those of other citizens but union cards do not give special privileges.

Those who are now digging roads in Stanley county instead of running cards and slubbers can think on these things while their self-appointed leaders are walking the streets as free men.

### Charlotte Agitator Admits Guilt of Conspiracy.

Albemarle, Nov. 20.—Twenty-eight members of the local textile union, including the president, H. M. Barbee, and the secretary, H. M. York; also Marvin Ritch, Charlotte lawyer and labor leader, and J. H. Graham, labor organizer, of Concord, all implicated in the strike trouble and rioting which occurred here at the Wiscassett Mills on September 15, plead guilty today to the fourth count in the bill of indictment, charging conspiracy.

Solicitor Brock, representing the State, accepted the plea and the case, which promised to consume the remainder of the present week, terminated shortly after 6 o'clock this afternoon, when Ritch and Graham were fined \$600 each and taxed with court costs and expenses which will amount to several hundred dollars.

Seven of the other defendants received chaingang sentences for a term of four months.

Those who were given road sentences were George Linebury, Jack Morris, Grady Boyd, Paul Austin, Duncan Solomon, Nick Simmons, a Mr. Parker, Pink Russell, and H. M. Barbee, who is president of the local textile union.

Later, upon the request of Solicitor Brock, the sentence as to Russell, who is 65 years of age, was changed so that he might be hired out four months by the commissioners of this county at their discretion. This same provision was made as to H. M. Barbee. The others were all fined from \$10 to \$75 each and taxed with certain parts of the court costs.

Judge Lane, in passing sentence, said that the law of the State must be upheld and that the labor agitators must recognize that the law of the land is supreme. Ritch sat in the witness chair and looked perfectly unconcerned while squad after squad of the men were called to stand up to receive sentence.

As Judge Lane passed sentence upon Ritch, he faced the crowded house and restlessly tapped his shoe heel with the handle of his knife, apparently chafing under the gaze of the packed house and at the situation in which he found himself.

The bill of indictment charged five or six counts, the fourth having been the one the defendants pleaded guilty to. It charged the defendants with conspiring, confederating and colluding together to destroy the property of the Wiscassett Mills Company, a corporation organized under the laws of the State and having its main office in the town of Albemarle, also of destroying the stockholders of their property rights therein by attempting to prevent laborers from working therein by force, intimidation, etc.

Thus at a few moments after 5 o'clock was concluded what has possibly been one of the most exciting experiences in the history of this town, having resulted in the Governor calling out three companies of State troops to prevent jail-breaking and other lawless conduct which was expected to occur had not the troops arrived in time.

### Text of Fourth Count.

Albemarle, N. C., Nov. 21.—Here is the full text of the fourth count of the bill of indictment in the Albemarle riot cases, to which Marvin L. Ritch, of Charlotte, and J. A. Graham, of Concord, two of the defendants, pleaded guilty before Judge Lane:

Fourth Count: That Marvin L. Ritch, J. H. Graham, H. M. Barbee, J. H. Lee, Fred Pennington, Jasper Hovis, Jasper Poplin, Duncan Solomon, Geo. Lineberry, Nick Simmons, Buck Dennis, John Britt, Charles Cooper, John Lemmons, Jr., Don Lewis, John Tucker, Price Trentman, Ben Carpenter, Eben Dennis, W. H. Smith, Henry Parker, Luther Poplin, Pink Russell, Geo. Walker, Geo. Dennis, Albin Tucker, Grady Boyd, Paul Austin, and Jack Morris and H. F. York, being persons of evil minds and dispositions together with divers other evil dispositioned persons, whose names are unknown to the jurors, wickedly devising and intending to injure and destroy the

(Continued on Page 22.)



## Personal News

S. B. Evans, from Iva, is now overseer spinning in the Gluck Mill at Anderson, S. C.

T. L. Darby, with the Draper Corporation, has been transferred from Warrenville to Hartsville, S. C.

E. J. Acker has been promoted to master mechanic for the Riverside and Toxaway Mills at Anderson, S. C.

J. B. Stearns, from Danville, Va., has become assistant overseer of weaving at Arista Mills, Winston-Salem, N. C.

James B. Campbell has been appointed overseer of spinning for Glenn-Lowry Manufacturing Company, Whitmire, S. C.

R. P. Sweeny has accepted position as manager of the Buffalo plant of the Union-Buffalo Mills Company, at Union, S. C.

H. M. Childers has been promoted from overseer of carding at Pinkney Mills to assistant superintendent of Ridge Mill, Gastonia, N. C.

M. C. Dawkins, who was overseer of carding at Echota Mills, Calhoun, Ga., has become superintendent of Calhoun Yarn Mills, at Calhoun.

C. G. Davis has resigned the position of overseer for Columbus Manufacturing Company, Columbus, Ga., to become superintendent of Bibb Mill No. 1, Macon, Ga.

J. T. Byrum has changed from second hand in spinning at Roswell, Ga., to second hand in spooling and warping at Fulton Bag and Cotton Mill, No. 1, Atlanta, Ga.

G. B. Huss has been promoted from overseer of carding and spinning to superintendent of Anderson Mills, Inc., formerly Rhodes Mfg. Co., of Lincolnton, N. C.

W. A. Marley has resigned as overseer of carding at Springstein Mills, Chester, S. C., to accept position as overseer of carding at Pinkney and Rankin Mills, Gastonia, N. C.

R. A. Odom has changed position from overseer of spinning at the De-nopolis Cotton Mill, Shortleaf, Ala., and has accepted a position as overseer of weaving at McComb City Cotton Mill, McComb, Miss.

T. J. Prince has changed from night overseer of spinning with the Peck Manufacturing Company, Warrenton, N. C., and has accepted position with the Rosemary Manufacturing Company, Rosemary, N. C.

T. J. Brown With Atlantic Dyestuff Company.

Mr. T. James Brown of Everett, Mass., has taken a position in the main office of the Atlantic Dyestuff Company, in Boston.

Prior to going into the service, Mr. Brown was for many years with one of the leading dyestuff houses

of Boston in a technical capacity, and is, therefore, well fitted for both technical and sales duties in his present position.

### North Carolina Men Buy Arkansas Mills.

The St. Francis Cotton Mills, of West Helena, Ark., has been purchased by Dr. Jno. B. Wright, of Raleigh, and D. C. Williams, C. J. Rhodes, of Lincolnton, N. C. The company will be reorganized as the Helena Spinning Mills, with an authorized capital stock of \$300,000, of which \$160,000 has been paid in. Mr. Wright will be president, Mr. Williams, vice president and manager, and Mr. Rhodes, secretary and manager.

The mill has an equipment of 13,000 spindles and makes 14s to 30s yarns. The purchase price was not made public.

"For the last time I tell you I will never marry you."

"I'm glad its' the last time. I'm getting tired of hearing it, anyhow." —Exchange.

CONSERVE POWER  
INCREASE PRODUCTION  
Before Buying Pulleys and Belting  
Investigate. Know the Facts  
MORSE CHAIN CO., ITHACA, N. Y.  
Largest Manufacturers of Silent  
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return to us and we will refund your money. We also make the Greb Pin Tool. Ask Your Jobber.

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Loom Supplies

Ivey M'fg Co.  
Hickory, N. C.

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Substantially one-half of the Sulphur Black now used in America is being made by us.

Users of our Atlantic Blacks know the reasons behind our enormous production.

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This is of special importance during winter months when work-rooms are usually overheated or without sufficient heat.

By means of the

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Regitherm

temperatures can be uniformly maintained throughout your plant.

This is an automatic regulator which is self-contained, without clock-work, springs or electrical contrivances. It is easily installed in a few hours, occupies less than one square foot of wall space and requires no attention.

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Ask for Bulletin No. L-R 101.

### THE FULTON COMPANY

Temperature Control Engineers and Manufacturers

KNOXVILLE

TENNESSEE

"Put Your Temperature Control Problems Up To Us"



# MILL NEWS ITEMS OF INTEREST

**Abilene, Texas.**—Will A. Harris, Ft. Worth; contemplates cotton mill.

**Barnesville, Ga.**—Collier Manufacturing Company is said to contemplate establishing branch knitting mill.

**Fairmont, W. Va.**—W. M. Hartman and M. S. Breddennen, of Coudersport, Pa., members of the Harted Silk Co., will build a plant at Fairmont.

**Ridgeway, Tenn.**—Thatcher Spinning Company increase capital from \$400,000 to \$1,000,000 and erect additional reinforced concrete building; install 30,000 spindles.

**St. Pauls, N. C.**—The Ernsdson Cotton Mills, which were previously not incorporated, have been incorporated with an authorized capital stock of \$300,000, and \$150,000 paid in.

**Laurens, S. C.**—The Watts Mills will install electric lights throughout for their village streets and their housing. The installation is to be modern and complete in every way. J. E. Sirrine, Greenville, S. C., is the engineer.

**Arcadia, S. C.**—Arcadia Cotton Mills are planning the lighting of their entire village, both streets and houses. This system is to be one of the most modern type. The designing is being done in the office of J. E. Sirrine, Greenville, S. C.

**Greenville, S. C.**—Southern Textile Machinery Company are planning a new three-story plant 57x117 feet, standard mill construction, complete fire protection, tar and gravel roof. J. E. Sirrine of Greenville, S. C., is handling the engineering.

**Charlotte, N. C.**—Contract has been let to T. C. Thompson & Bros., of Charlotte, N. C., for a complete new plant for the Leaksville Woolen Mills at Charlotte, N. C. This contract includes the mill building, warehouses and village. Plans prepared by Robert & Company, Atlanta, Ga.

**Columbus, Ga.**—Contract has been let with the West Point Iron Works for 150 four, five and six-room bungalow type operatives' houses for the new village of the Bibb Manufacturing Company, Columbus, Ga. The village is to be equipped with electric lights, waterworks, sewerage, etc. Robert & Co., of Atlanta, Ga., are engineers.

**Waxahatchie, Texas.**—Plans and specifications have been completed for a new cotton duck mill for J. O. Chapman and E. A. DuBose, of Waxahatchie, Texas. The mill is to be modern in every respect—electric drive, automatic conveyors, etc. Contract is to be let in the near fu-

ture covering the mill building, warehouses and village. Plans prepared by Roberts & Company, architects and engineers, Atlanta.

**Cliffside, N. C.**—The Cliffside Mills has just closed contract with the Sanitary Engineering Company, of Charlotte, N. C., for the installation of approximately 500 septic tank sewage disposal outfits to be installed at each of the operative's houses in their village at Cliffside, N. C., and also at Avondale and West Henrietta, N. C. This contract will provide modern sanitation at each of the operative's houses owned by Cliffside Company.

## Alizarine Orange R. P. Paste.

The National Aniline and Chemical Company, Inc., announces the production of a new dye, known as Alizarine Orange R. P. Paste. As a wool color it possesses excellent fastness to both light and washing. Dyed upon an alum mordant, it produces orange and combined chrome, a reddish brown. Because of its very good fastness to washing, it finds considerable application in calico printing.

**Grover, N. C.**—The damask mill being organized here by C. F. Harry has 36 Crompton & Knowles looms bought, and Mr. Harry expects to be

ready for weaving in January. Table covers will be produced. Geo. F. Bechnell, formerly with Irene Mills, Gaffney, S. C., as overseer of weaving, is superintendent of the new plant. The name of the mill had not been selected when Mr. Bechnell was interviewed last week. The investment is \$75,000. The building is to be 30x72 feet, power plant 60 to 100 horsepower.

**McComb, Miss.**—The McComb Cotton Mills have been sold to Avin Hunsucker, president of the Mobile Cotton Mills, Mobile, Ala., and vice president of the Standard Textile Products Co., of New York, which controls the Meritas Mills, Columbus, Ga. J. T. Broadbent, agent for the Mobile and Meritas Mills, will be manager of the McComb Mills under the new management. C. K. Taylor has been appointed general manager. The company is installing 350 automatic looms. The mill property has been considerably increased by the purchase of an additional tract of land.

**Chattanooga, Tenn.**—Davis Bros., Inc., hosiery manufacturers, have amended articles of incorporation, increasing their authorized capital stock from \$25,000 to \$50,000, and changing corporate name to the "Browning Hosiery Mills." L. C. Davis sells his interest and resigns as vice president and is succeeded by O. T. Sutton; and George F. Browning succeeds L. D. Browning as secretary and treasurer. D. P. Browning remaining president. The company is operating model K. G. machines, knitting ladies' mercerized hose, and are preparing to enlarge plant. They have established a New York selling agency, at 366 Broadway, James Jamison & Company.

**Sells 100 Bales at \$1 Per Pound.**

**Jackson, Miss.**—The sale by Geo. C. O'Donnell, planter of the Louisa, Miss., community, in Yazoo county, of 100 bales of long staple cotton at one dollar a pound, is the largest single sale of spot cotton on record in the Mississippi delta country. Including the cottonseed, the total value of the 100 bales was \$75,000.

**Estimate Cotton Crop at 10,130,000 Bales.**

**Greenville, S. C.**—The American cotton crop this year, exclusive of linters, will be 10,130,000 bales, according to the annual forecast of Cooper & Griffith, well known cotton firm of this city, issued here Monday. The estimate is made up from reports from the correspondents of this firm throughout the cotton belt.

The crop for South Carolina is forecasted as 1,388,000 bales. This forecast has been made annually by Cooper & Griffith since 1910, and for the past four years has come well within 100,000 bales of the final yield.

## E. S. DRAPER CHARLOTTE NORTH CAROLINA

### LANDSCAPE ARCHITECT AND CITY PLANNER

PREPARATION OF ILLUSTRATED REPORTS EMBODYING  
SUGGESTIONS FOR GENERAL MILL VILLAGE IMPROVE-  
MENT AND IMPROVEMENT PROGRAMS TO GOVERN  
ANNUAL BUDGETS.

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**TROUBLE FREE**

## Charlotte Leather Belting Company

Charlotte, North Carolina

## High Class Investment Securities

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Bond Department  
**American Trust Company**

CHARLOTTE, N. C.



### Textile Club at Drayton.

The overseers, second hands and section hands of Drayton Mills have organized a Textile Club. The following officers have been elected: J. R. Federline, Jr., overseer of spinning, president; C. T. Steward, second hand carding, vice president; L. A. Ramsey, timekeeper, secretary and treasurer. The motto of the club is "Better Men for Better Jobs." Among those taking part in the club activities are A. W. Green, second hand in spinning; J. R. Federline, Jr., overseer spinning; F. M. Crow, second hand machine shop; B. F. Adair, loom fixer; M. G. O'Sullivan, loom fixer; T. F. Case, second hand weaving; M. Byce, second hand weaving.

All members are taking a correspondence course in some line of the textile industry.

### Carrs Purchase Mill of Bowling-Emory Company.

The Durham Hosiery Mill Company, of Durham, N. C., has purchased the entire stockholdings of the Bowling-Emory Knitting Mills, a very important plant in this city, the deal being made through H. E. Perry, who represented the stockholders. J. S. Carr, Jr., president, has not made public the purchase price, but he announces that a new company will have charge of this concern, with a capitalization of \$200,000—\$100,000 preferred and \$100,000 common stock.

Eleven acres of land, near the plant, has also been purchased from Capt. J. E. Parrish, upon which will be built some 15 modern houses for the accommodation of the negro employees who will work in this mill.

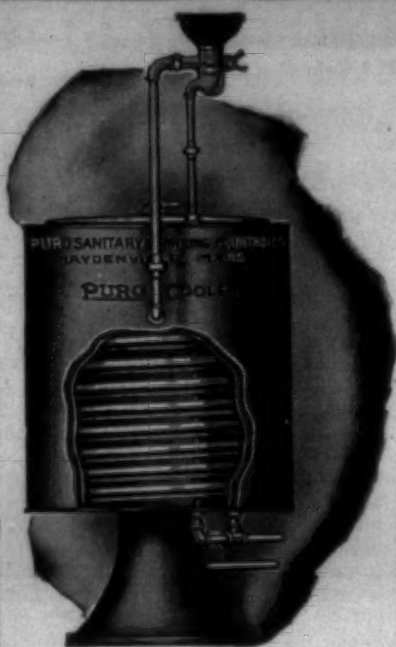
The new company will be named

### Screw Machine Products

for Textile Mills and allied Industries. We make Special Shaped turnings in steel or brass.

Send samples or Blue Prints for quotations. Please state quantities ordered.

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Woonsocket, Rhode Island



Southern Agent  
**E. S. PLAYER, Greenville, S. C.**

The late ex-President  
Roosevelts' motto was  
**Be Prepared!**

Anticipate your warm weather requirements and order

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**DON'T DELAY.**

40 Feet Coil Pipe—

Cover with locking device and rubber washer, making an air tight Tank—equipped with Puro Sanitary Drinking Fountain

**Puro Sanitary Drinking Fountain Co.**

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**"NO-WASTE"**  
ROVING CAN

Made of Seamless Hard Fibre

**Prevents Your Waste and Broken Ends**

The "NO-WASTE" Seamless Roving cans have a reputation for quality and smoothness wherever roving cans are used. Practical experience has taught mill men in all sections of the country that ultimate economy can be achieved only with an equipment of "NO-WASTE" Seamless cans.

**STANDARD FIBRE CO.**

25 Miller Street

Somerville, Mass.

the John O'Daniel Hosiery Mills, a tribute of respect shown by the Carr family to the memory of the late John O'Daniel, who for 30 years or more was the faithful gardener, and attendant upon the late Mrs. J. S. Carr, Sr. President Carr, of the new company, states that in naming the mill after John O'Daniel, a negro, the family desired to give recognition to the honesty, faithfulness and willingness of a servant who believed in devoting himself to a full day's work each day. Mr. Carr also declared that in his opinion this recognition should prove stimulating to negroes generally, who may better feel assured that the South will give full recognition to every man, regardless of race, who devotes his life to honesty and faithful work.

The John O'Daniel Hosiery Mills will be run by negroes. When the plant opens about the first of January, about 75 or 100 operatives will be employed. One hundred spindles will be put in operation. New improvements will be made. Although the plant is not expected to produce more than 250 or 300 dozen pairs of hose daily at the outset, its production will be steadily increased. When the plant reaches the maximum of the present plant it will have 350 spindles and more than 300 employees.

### Study Welfare Work in Southern Mills.

D. E. Camak, president Textile Industrial Institute, Spartanburg, S. C., has been selected by the Inter-Church World Movement to make a special study of the Southern cotton mill situation from a social, industrial and religious viewpoint, and make recommendations looking to a program of social service on the part of the Christian churches in America.



### THE CHOICE OF A HUMIDIFYING SYSTEM

must be one that for simplicity with great capacity and economy in maintenance produces uniformly such conditions that may be determined for the different requirements of the work. In the American Moistening Company's method of humidifying, all such requirements are **GUARANTEED.**

Our COMINS SECTIONAL HUMIDIFIERS

Our FAN TYPE and HIGH DUTY HUMIDIFIERS

Our VENTILATING Type of Humidifier (Taking fresh air into the room from outside)

Our ATOMIZERS or COMPRESSED AIR SYSTEM

Our COMPRESSED AIR CLEANING SYSTEM

Our CONDITIONING ROOM EQUIPMENT

Our AUTOMATIC HUMIDITY CONTROL (Can be applied to systems already installed)

Our AUTOMATIC TEMPERATURE CONTROL

Are all STANDARDS of MODERN TEXTILE MILL EQUIPMENTS

**AMERICAN MOISTENING COMPANY**  
BOSTON, MASS.

**WILLIAM FIRTH, President**

**FRANK B. COMINS, Vice-Pres. & Treas.**

**SOUTHERN OFFICE, Empire Building, ATLANTA, GEORGIA**

Morehead Back-to-Boiler System.

Gardner Governor Company Pumps and  
Air Compressors.

Canton Rocking and Dumping Grates.

Bayer Steam Soot Blowers.

**E. S. PLAYER, Manufacturers Agent**  
GREENVILLE, S. C.

**W. B. McBURNEY, Efficiency Engineer**

**W. B. PLAYER, Salesman**

*Inquiries will receive our best attention*

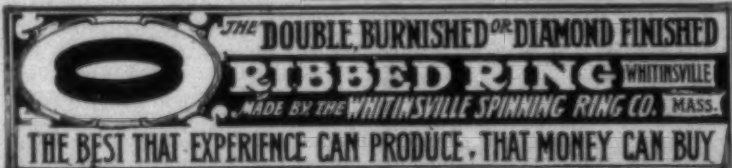
Puro Sanitary Drinking Fountains and  
Coolers.

Stanley Belting Corporation Imported  
woven cotton belts.

B. Messina's Sons—Burlap.

Plastic Metallic Packing.

Stuebing Lift Trucks.



**Linker Troubles,**

**Electrical Stop Motion Troubles**

**All Kinds of Warper Troubles**

Taken care of by Experts

**Cocker Machine and Foundry Company**

Gastonia, N. C.

Builders of Warpers, Linkers, Ballers, Reels, Etc.

**Fire Without Having A Cleaning Period On**



For Use with Either Natural, Induced or Forced Draft  
FOR DETAILED INFORMATION WRITE

**THOMAS GRATE BAR COMPANY**  
BIRMINGHAM, ALA.

**Text of Fourth Count.**

(Continued from Page 18.)

property of the Wiscasset Mills Company (a corporation duly created and existing under the laws of the state of North Carolina, with its principle place of business in the county and state aforesaid) its stockholders and faithful employees and their trade, business and occupation, on or about the 15th day of September, 1919, at and in the county and state aforesaid, wickedly, maliciously and unlawfully did conspire, combine, confederate and agree together between and among themselves, unlawfully to injure and destroy the said corporation, its stockholders, and faithful employees, in their trade, business and occupation which it and they then and there conducted, exercised and carried on in the county and state aforesaid by forcing the manufacturing plant of said corporation to be and remain closed down against the will of the said corporation, by openly and tumultuously assembling themselves, or counseling, advising and encouraging others of their co-conspirators and confederates, to the jurors unknown, to unlawfully, riotously, riotously and tumultuously assemble at or near the manufacturing plant of said corporation located in the county and state aforesaid, for the purpose of forcibly and against their will deterring, restraining and preventing the said faithful employees of the said cor-

poration, from entering the said manufacturing plant of said corporation for the purpose of working and laboring therein, by means of threats, intimidations, assaults and botheries upon the persons of the said employees, and in furtherance of said unlawful conspiracy, combination, confederation and agreement among themselves on or about the 15th day of September, 1919, at and in the county aforesaid, did unlawfully, riotously, riotously and tumultuously assemble themselves, or counsel others of this said co-conspirators and confederates to so assemble and station themselves in great numbers at or upon the premises of said corporation for the purpose of forcibly and against their wills, deterring, restraining and preventing the said employees of the said corporation from entering upon its said manufacturing plant for the purpose of working and laboring therein, by reason of threats, intimidations, assaults and batteries upon the persons of the said employees, and then and there, being so assembled did by means of said threats and intimidations assaults and batteries then and there threaten and committed upon the persons of the said employees of said corporation and the officers of the law then and there assembled to keep the peace, did prevent said employees against their will from entering manufacturing plant of said corporation for the purpose of working and labor-

**NATIONAL GUM & MICA CO.**

910-11 COMMERCIAL BANK BLDG.

MIKAH TALLOW

SWISS GUM

COMBINATION B



CHARLOTTE, N. C.

W. M. FAILOR, Manager

Factory and Works:

59th St. and 11 Avenue, New York City

**Ashworth Brothers, Inc.**

**Tempered and Side Ground Card Clothing**

**Tops Reclothed**

**Lickerins Rewound**

**Cotton Mill Machinery Repaired**

12 to 18 West Fourth St., Charlotte, N. C.

240 River Street, Greenville, S. C.

127 Central Avenue, Atlanta, Ga.



# TALLOW—OILS—GUMS—COMPOUNDS

## ALSO HOSIERY FINISHING AND BLEACHINGS

**TEXTOL, A new product especially for Print Cloths. A complete warp size, requires no addition of tallow**



Tallow, Soluble Grease, Soluble Oils, Gums, Glues, Gum Arabol, Lancashire Size, Waxes, Finishing Pastes, Soaps, Glycerine, Ready-made eavy Size, Sago and Tapioca Flours, Dextrines, China Clay, Soluble Blue Bone Grease, Bleachers' Blue.

**SPECIAL COMPOUNDS FOR WARPS, WHERE STOP MOTIONS ARE USED.**

**WEIGHTING COMPOUNDS FOR COLORED AND WHITE WARPS. FINISHING COMPOUNDS FOR ALL CLASSES OF FABRICS.**

The Arabol best grades of cotton warp sizing compounds make the "finest weaving and will hold the fly."

These compounds are based on the best practical experience and the best materials used in their manufacture.

### The Arabol Manufacturing Co.

Offices: 100 William Street, New York.

Southern Agent: Cameron MacRae, Concord, N. C.



Factories: Brooklyn, N. Y.

R. F. GIBSON, South Carolina Agent, Greenville, S. C.

GUY L. MELCHOR, Ga., Ala. and Tenn. Agent, Atlanta, Ga.

ing therein as aforesaid contrary to the statute in such cases made and provided, and against the peace and dignity of the state.

#### LINES TO A SHUTTLE-KISSER.

(By Sam Fitton in Cotton Factory Times, Manchester, England.)

Maiden of the reed and treadle;  
Thou whom bad weft oft times guttles,  
Tell me—pardon if I meddle—

Does it hurt thee kissing shuttles?  
Maybe not or thou wouldn't chuck up.  
Still it must feel rather rummy.

Every time thou tak'st a suck up  
Does the thread stick in thy tummy?  
Pity 'tis thou'rt forced to soil thy

Dainty lips in thy life's station;  
Yet it doesn't seem to spoil thy  
Sweeter kind of osculation.

For thy mouth, so small and chubby,  
That some bashful fellows dread so,  
Is a boon to swain or hubby;

Well, or at least I've heard it said so.  
Rare thy lips, of fair formation,  
Nobly do they do their duty.

Years of shoddy inhalation  
Have not spoiled their bow-like  
beauty.

Of ere this with joy I've seen them  
Tasting cream bun, tart or pastie?  
That's the stuff to put between them—

Chewing shoddy must be nasty.

Is thy work, then, by undoing?

Then, my dear, 'tis injudicial:

Much I fear thy daily chewing

Bad weft can't be beneficial.

Now and then 'tis soft and flussp,

Yards and yards—I've seen thee pull it;

When thou dragst it in thy mussy,

Does it stick inside thy gullet?

Though by fate thou'rt rudely shaken

On thy rugged path of duty,

Kissing shuttles hasn't taken

One iota from thy beauty

Why can't clever man's inventive

Brain-box save thy virgin body?

How I pray for a preventive

That will save thee sucking shoddy.

Hast no cure? Thou'rt cute and forceful

Wiry thou as Nature made thee.

Thou are scheming and resourceful;

Maiden, won't a hairpin aid thee?

Modern manners may befriend thee.

Some there are who would debate it,

If thy shuttle eye offend thee

Smoke a tab and fumigate it.

Kissing wood is wasted bilases.

And I'll wageh many a knot 'll

Later long for those nice kisses.

Maiden, would I were a shuttle!

Do thy duty to the letter.

Till the skill of man befriend thee

By inventing something better.

In thy kissing luck attend thee.

Kiss away without cessation.

Son a man who's extra clever

May discover thy salvation;

Keep on kissing, hoping ever!

## THE GREATEST IMPROVEMENT MADE IN COTTON SPINNING IN QUARTER OF A CENTURY

### The Richards-Hinds Light Running Rolls

Over 850,000 Spindles Equipped to Date

#### Guaranteed Claims

Cockley Yarn Preventor

Extra Strength of Yarn

Less Waste

Greater Production

Less Change of Roll Settings

Reduced Cost of Spinning

One-third Saved on Leather Covered Rolls

Better Spinning with Improved Product

All machine builders are agents and will quote prices for new work.

Also for prices and particulars write to

The Metallic Drawing Roll Company

Indian Orchard, Mass.

### MICHAEL & BIVENS, INC.

ELECTRICAL ENGINEERS AND CONTRACTORS

Mill Wiring and Armature Winding

GASTONIA, N. C.

Phone 133

## VICTOR MILL STARCH – The Weaver's Friend



THE HOME OF VICTOR MILL STARCH

### THE KEEVER STARCH COMPANY

COLUMBUS, OHIO

SOUTHERN AGENT,

JAS. H. MAXWELL, GREENVILLE, S. C.

*Victor Mill Starch* is a clean, thin-boiling starch, and makes better looking goods than any starch on the market. It carries the weight into the cloth and is cheaper in the end.

*The Price* is right and we can ship promptly. Thousands of satisfied users is the best evidence of its merits and we will gladly furnish upon request names of mills that have been our customers for years.

J. J. ILLER, Greenville, S. C.

Traveling Representative



**SYDNOR PUMP & WELL CO.**  
Richmond, Va.  
Supplying Cotton Mills with  
Water for 30 Years

### WE SPECIALIZE

In Reminding A. C. and D. C. Apparatus  
**WINGFIELD & HUNDLEY**  
Box 844 Richmond, Va.

### ACID PROOF

Your belts with Wizard Stick Belt Dressing. They will last two or three times as long and give more power. If not interested from acid viewpoint you will appreciate Wizard Belt Dressing as a sure preservative of belting and a power producer.

**Smith-Courtney Company**  
SUPPLIES AND MACHINERY  
RICHMOND, VA.

### Improved Rice Dobby Chain



reduces broken bars to a minimum because the wire eyes do not break into the side walls of the peg holes. The eyelets are fastened so securely that they cannot work loose.

**Rice Dobby Chain Co.**  
Millbury, Mass.  
Send Us Your Order To-day

Prolong the Life of Your Roof—

## AGASCO ROOFING PITCH

—made according to YOUR specification, for YOUR climate, will not liquify in summer heat—It stays put, and does the work.

**AGASCO Roofing Felt**, for the wide expanse of industrial roof that must be covered or re-covered effectively at moderate cost—Resists the elements—Lasts indefinitely.

**AGASCO PAINTS:** Number Nineteen preserves exposed metal surfaces against ravages of the seasons; contains no water, ammonia, or tar acids—Number Fifteen, penetrative and germicidal, does the same for wood surfaces—Number Three, Damp Proof, protects foundation walls; seals them against seepage—Roof Coating Number One for felt, rubber or composition roofing; increases resistance against elements.

**AGASCO Creosotes**, wood-preservative: Number Seven, dark brown stain; Number Ten, crude; Number Eleven, clear, color to be added by you.

**ATLANTA GAS LIGHT CO.**  
ROOM 234, 16 FAIRLIE STREET, ATLANTA, GA.

# Clark's Weave Room Calculations

By W. A. Graham Clark, Textile Expert of United States Tariff Commission

## TYPICAL AMERICAN CLOTHS

(Continued from last week.)

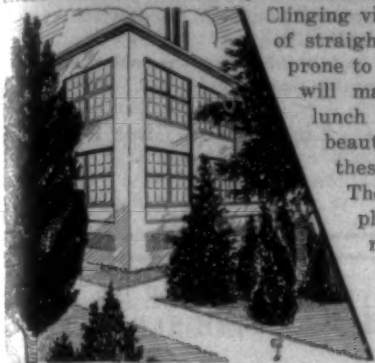
Width in inches.	Yards per lb.	Ends and Picks per inch.	Warp Yarn.	Filling Yarn.	Width in inches.	Yards per lb.	Ends and Picks per inch.	Warp Yarn.	Filling Yarn.
<b>Coarse Sheetings (18s range)</b>					<b>Three-Leaf Jeans</b>				
26	6.25	44x44	20.50s	16s	29	5.25	80x60	26.50s	33s
30	4.50	48x48	17s	18s	29½	3.53	96x64	22s	24.50s
30	5.00	48x44	18.50s	18.50s	30	4.00	88x56	21s	27s
30	5.00	44x48	16s	20s	30	5.00	96x64	28s	36s
31	4.50	44x44	17s	16s	32	3.31	96x64	22s	24.50s
31	4.70	44x44	17s	17s	39	2.75	96x64	22s	24.50s
31	4.99	46x46	18s	19.50s	39	2.89	96x64	28s	22s
31	5.00	48x48	21s	18s	39	3.00	96x64	22s	30s
36	3.20	65x64	18.50s	22s	39	3.10	96x64	22s	31s
36	4.00	48x48	18.50s	18.50s					
36	4.00	48x52	17s	21s	<b>Three-Leaf Wide Drills</b>				
36	4.00	52x48	19.50s	19s					
36	4.50	44x36	20s	13s	40	2.03	70x48	13.50s	13s
36	4.50	48x44	20s	18s	40	2.40	68x40	13s	16s
37	4.00	48x48	17s	21s	40	3.06	63x40	22s	12s
37	4.00	48x48	20.50s	17s	40	3.96	68x40	24s	24s
37	4.00	52x48	18s	22s	46	1.75	76x42	13s	13s
39½	2.40	64x64	16s	17s	46	2.00	70x42	13s	16s
40	2.92	65x64	18.50s	22s	51	1.81	70x42	13s	16.50s
40	3.60	48x48	18s	18s	52	1.90	68x40	13.50s	15.50s
40	3.75	44x40	17s	21s	58	1.60	68x40	13.50s	14s
40	3.75	48x44	20.50s	16s	59	1.85	68x40	13s	20s
40	4.25	44x40	17s	18s	59	1.94	68x40	17s	17s
<b>Tobacco Cloths</b>					<b>Three-Leaf Twills</b>				
36	7.75	48x44	29s	38s	35	5.00	68x72	30s	36s
36	8.10	44x44	29s	38s	36	4.20	60x80	28s	28s
36	8.10	48x40	30s	36s	37	4.50	96x60	28s	40s
36	8.40	44x44	30s	39s	38½	3.10	96x64	28s	22s
36	8.50	44x40	30s	37s	39	3.65	80x92	28s	34s
36	9.20	40x40	29s	40s	39	3.75	80x84	28s	34s
36	9.20	44x36	30s	39s	39	3.90	80x80	28s	34s
36	9.65	40x36	30s	38s	39	4.00	68x76	28s	30s
36	9.65	40x32	28s	37s	39	4.25	68x76	28s	32s
36	10.20	40x32	30s	38s	39	4.50	68x76	28s	38s
36	10.50	36x32	30s	37s	39	4.80	64x72	30s	40s
36	11.20	36x32	30s	41s	39	5.10	64x64	28s	38s
36	11.50	32x28	28s	36s	39	5.25	64x56	28s	36s
36	11.50	36x32	30s	43s	39	6.00	64x48	30s	40s
36	12.00	32x28	30s	37s	39	6.60	56x44	28s	38s
36	13.00	32x28	32s	41s	39	2.94	66x64	26.50s	17s
36	13.50	32x24	30s	41s	40	3.25	80x92	28s	34s
36	15.00	28x24	32s	41s	43	3.50	80x84	28s	36s
36	15.80	26x22	30s	41s	43	3.55	68x76	28s	28s
36	17.00	24x20	30s	40s	43	4.00	68x68	28s	32s
36	19.00	22x18	28s	42s	43	4.00	68x76	30s	36s
36	21.00	20x16	29s	42s	43	4.00	80x76	28s	44s
36	22.00	20x14	30s	40s	43	4.30	68x60	28s	34s
36	23.25	20x12	30s	39s	43	4.50	68x76	30s	42s
36	30.00	16x8	30s	37s	43	4.75	68x52	28s	36s
36	40.00	8x8	28s	31s					
<b>Narrow Cheese Cloths</b>					<b>Coutils</b>				
24	9.50	44x44	28s	29s	38	1.70	104x80	17s	17s
25	10.25	44x44	28s	31s	38	1.85	124x84	24s	18s
25	13.25	40x36	28s	38s	38	2.15	86x68	22s	16s
25	13.25	44x36	30s	39s	38	2.15	104x80	22s	20s
25	14.00	40x36	30s	40s	38	2.25	96x80	22s	20s
25	14.75	40x32	30s	40s	38	2.53	112x56	22s	24.50s
27	9.50	44x44	28s	31s	38	2.73	108x56	28s	22s
28	9.15	44x40	28s	29s	38	3.05	100x56	28s	24s
28	11.28	44x40	30s	40s					
28	13.50	40x28	30s	37s	<b>Alberts</b>				
30	10.52	44x40	30s	40s	35	4.40	64x80	30s	32s
32	9.87	44x40	30s	40s	35	4.85	64x80	30s	43s
32	13.50	32x28	28s	42s	35	5.10	64x80	30s	43s
32	14.50	34x22	28s	42s	35	5.50	64x72	30s	45s
34	9.40	44x40	29s	42s					

(Continued Next Week.)



## YOUR FACTORY—POSITIVE OR NEGATIVE?

What effect does it have upon the people who are not employed there? It can as easily be a source of civic pride as an eyesore. Clinging vines will efface the flat monotony of straight lines which most factories are prone to possess; a lawn with shade trees will make an ideal spot to spend the lunch hour; flowering shrubs add beauty to any surroundings. And these improvements are easily made. The season is at hand when such plantings may be successfully made—write to us for further particulars; we'll be glad to give them.



J. Van Lindley Nursery Co.,  
Pomona, N. C.

## CATLIN & COMPANY

NEW YORK BOSTON PHILADELPHIA CHICAGO  
Commission Merchants  
Cotton Piece Goods and Cotton Yarns  
CHARLOTTE, N. C.

## Chemicals and Oils

For Sizing, Finishing and Dyeing

The New Brunswick Chemical Co.

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Works at New Brunswick, N. J.

Southern Representative, MAX EINSTEIN, P. O. Box 211, Charlotte, N. C.

Guaranteed Quality—Demonstrations Made

## MERROWING

Established 1838

FOR— Stocking Welting Maximum Production  
Toe Closing Minimum Cost of Upkeep  
Mock Seaming Unexcelled Quality of Work

THE MERROW MACHINE COMPANY

20 Laurel Street, Hartford, Conn.

## JACKSONVILLE CHEMICAL MFG. COMPANY

JACKSONVILLE, FLA.

MANUFACTURERS

SULPHUR DYES DIRECT

SPECIAL OFFERS:

DIRECT BLUE 2 R

BEST QUALITY

SULPHUR BLUE

## TAPE DRIVES

OUR TAPES ARE ENDORSED BY MACHINERY EXPERTS. They know their quality and they know their scientific structure. Exhaustive trials by practically all machinery makers have demonstrated that they have no superior. Write us.

Barber Manufacturing Co., Lowell, Mass.  
SPINNING TAPE SPECIALISTS



Standard  
Size of the South

The higher the cost of labor, and the higher the cost of raw materials, the more essential it becomes to have the Slasher-Room on an efficient basis. We cheerfully furnish to all interested our Slasher Efficiency Test Blanks.

THE SEYDEL MFG. COMPANY

JERSEY CITY, N. J.

Sizings

Softeners

Finishings

Agents,

S. C. Thomas and C. C. Clark  
Spartanburg, S. C.

Cotton Mills

Mill Stocks

HUNTER MACHINERY CO.

J. W. OUZTS, Marion, N. C.

SECOND HAND TEXTILE and POWER MACHINERY  
Write us your needs. Let us sell what you don't need.

All Wool Roller, Slasher and Clearer Cloths

F. C. HITCHCOCK CO.

48 & 50 Pearl St.

BOSTON, MASS.

CAROLINA SIZING & CHEMICAL COMPANY

CHARLOTTE, N. C.

Manufacturers of O. K. PRODUCTS

O. K. TALLOW  
SOLUBLE OILS

O. K. SIZING  
TALC

GEORGE WITHERSPOON

## AMERICAN HIGH SPEED CHAIN



Seventeen years the builders of American High Speed Chain have given to proving and improving steel chain belting for transmitting power. They are pioneers in the design and manufacture of this chain.

This long experience has established one important truth—That the mechanical simple construction which distinguishes American High Speed Chain most fully meets the requirements of all conditions of service.

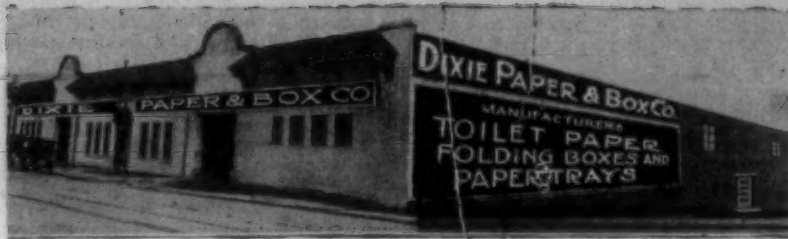
We have also learned that neither pulleys nor gears should be used where it is possible to use chain drive. Are you ready to believe that it is worth anything to know it if it should happen to be true?

ABELL HOWE COMPANY

Chicago, Ill.

Branch Offices in  
E. S. PLAYER, Southern Rep., Greenville, S. C.





The Largest Manufacturers of Toilet Paper South  
1000-2-4-6 Marietta St., ATLANTA

## TALC—

### A GREAT WEIGHTER

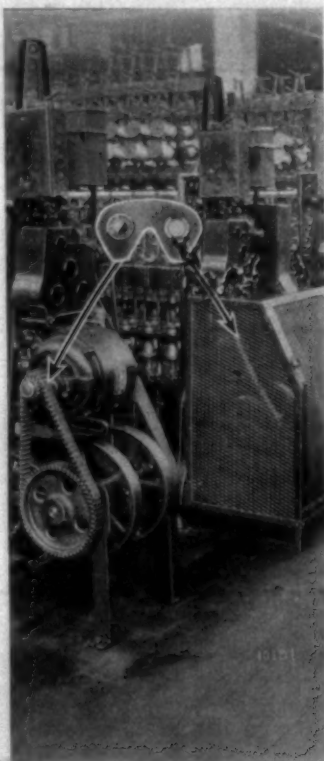
Our Talc is air-floated. Its unsurpassed color and high initial retention make it the best quality of any on the market for filler purposes. Its increased use by many of the largest and most carefully conducted mills throughout the country is its best testimonial.

Why pay high prices plus enormous freight rates for an inferior foreign filler when you have the quality filler at reasonable prices right at your door. Prices and samples given on request.

## Oliver Quartz Company

607 Trust Bldg.

Charlotte, N. C.



## Positive, Flexible Drives

If you geared your motors to your machines you would have no more positive drive than with Link-Belt Silent Chain.

If you belted your motor and machine together you would have no more flexible drive.

For Link-Belt Silent Chain Drives are "flexible as a belt, positive as a gear, more efficient than either."

They provide all the advantages of belts and gears, minus their disadvantages. Details in our Textile Book No. 258. Send for a copy.

### LINK-BELT COMPANY

CHICAGO

PHILADELPHIA INDIANAPOLIS  
Boston 49 Federal St.  
Charlotte, N. C.  
J. S. Cothran, Commercial Bank Bldg.  
Offices in all Principal Cities

## LINK-BELT SILENT CHAIN DRIVES

394

## THOSE STEEL ROLLS

ARE THEY GIVING YOU TROUBLE IN ANY WAY? THEN LET US OVERCOME THOSE TROUBLES.  
We will re-neck, re-flute, stone, polish, hone, etc., and put in first-class condition.

We are now in position to Make Prompt Deliveries  
Satisfaction Guaranteed.

SOUTHERN SPINDLE & FLYER CO., Inc. Charlotte, N. C.  
Manufacturers, Overhauled and Repairers of  
COTTON MILL MACHINERY  
W. H. Monty, Pres. and Treas. W. H. Hutchins, V-Pres and Sect'y

## OUR SPINNING RINGS—SINGLE OR DOUBLE FLANGE

Start Easiest, Run Smoothest, Wear Longest!

PAWTUCKET SPINNING RING CO.  
CENTRAL FALLS, R. I.

## REEVES, JENNINGS & CO.

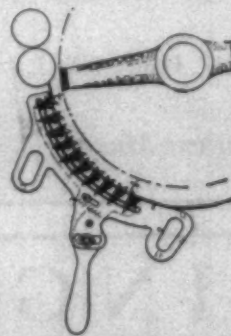
Selling Agents for Southern Mills Producing  
COTTON FABRICS  
For Converting, Manufacturing, Jobbing and Export Trades  
55 Leonard Street NEW YORK CITY

## Emmons Loom Harness Company

The Largest Manufacturers of Loom Harness and Reeds in America

### Loom Harness and Reeds

Slasher and Striking Combs Warps and Leice Reeds,  
Beamer and Dresser Hecks, Mending Eyes, Jacquard  
Heddles  
LAWRENCE, MASS.

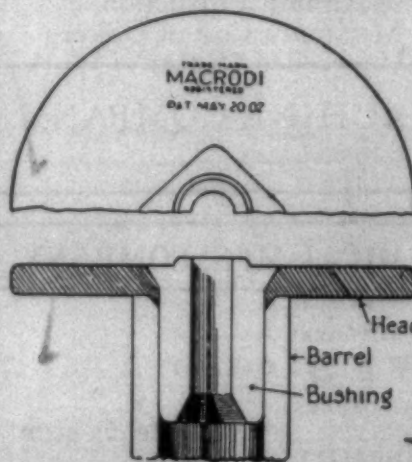


## Less Waste — Cleaner Yarns

### Atherton Adjustable Pin Grids

most manufacturers are adopting, knowing that they will pay for themselves in a short time in the saving of good stock, at high price of COTTON today.

Atherton Pin Grid Bar Company  
GREENVILLE, S. C. PROVIDENCE, R. I.



## The Macrodi FIBRE HEAD WARP SPOOL

after fourteen years of the hardest mill use has demonstrated that it is  
**Durable — Economical**

Write for particulars of the added traverse with corresponding increase in yardage—an important feature of this spool.

Prompt deliveries in two to three weeks after receipt of order.

### MACRODI FIBRE CO.

Woonsocket, Rhode Island  
Sold in the South also by  
Odell Hardware Co., Greensboro, N. C.; General Mill Supply Co., Charlotte, N. C.; and other leading mill supply houses.



**German Vat Colors Expected by January 1.**

(Continued from Page 7.)

500 tons from the German dyes surrendered under the Peace Treaty, by personally taking out an option with the German Chemical Cartel upon other needed dyes, he was able to make up the full amount required by American consumers, as shown in applications to the War Trade Board and the licenses granted consumers.

In telling about his trip in detail, Dr. Herty said he sailed with instructions to find out about just what procedure was necessary on the part of the United States to obtain its share of the peace treaty dyes; what supplies are available, and when they might be expected to be at the disposal of the American consumer. In a word, he said he was delegated to get dyes and get them quickly.

"Luck was with me from the start," commented Dr. Herty. "On the way over I met a director of the Holland-American Line on the boat, and succeeded in interesting him in my mission to the extent that he promised me every aid in shipping the dyes from Rotterdam. Once they are received there, no delay will occur in getting them across."

"When I arrived in London I found that the Allied Dyes Commission had met only the day before, and had adopted a preliminary partial plan of distribution. I had been found that all countries needed some dyes with which to get their industries under way again, and the negotiations, I learned, had been conducted in a most amicable manner, with all parties thereto in harmonious accord."

"With a view to bringing about complete harmony, it had been agreed that Germany should be accorded the privilege of withdrawing from the dye stocks turned over a certain percentage of the amount withdrawn by the Allied nations, to be offered at free sale, and this arrangement proved sufficiently attractive to make the Germans most amicable."

The fact that there were five nations at interest, namely, England, France, Italy, Belgium and the United States, Dr. Herty pointed out, made it extremely essential that there be a fair and impartial distribution of the dyes available. It was finally agreed that France, Belgium and Italy should take out an amount not to exceed 2,200 tons, to be divided as they saw fit.

Under the same arrangements it was agreed that the United States should take out 1,500 tons, which Dr. Herty said, was about 20 per cent of the 50 per cent allotment allowed. In this manner each nation was allowed a certain amount of each dye, and assurance given that a fair share was allotted, he explained.

"The result in so far as my own visit was concerned," went on Dr. Herty, "was that I did not have enough dyes to meet all the requirements that had been filed with the War Trade Board. An inspection of the applications disclosed that they varied largely, requests for some colors only amounting to a few

pounds; others for 100 pounds, and sometimes for 1,000 pounds or more. The German stocks in the treaty were also varied, and in many instances did not contain the colors that were needed by American consumers. Hence, I discovered that as far as tonnage was concerned, I would be able to obtain only about 30 per cent of the requirements I had been sent for, and that in some instances colors were lacking. In fact, one-third of the applications filed with the War Trade Board was on one color alone.

"I overcame the difficulty, however, by going direct to M. von Weinberg, head of the German Chemical Cartel, and asked him for a proposition to furnish the rest of the dyes I needed at a price. My negotiations with M. von Weinberg and his eight associates were most pleasant, and we arranged that I should receive the needed dyes on my personal option. The prices were figured out at current exchange rates, which made them extremely cheap, as the mark was then worth about four cents in American money. The agreement with me was reduced to writing, and while the prices were higher than the prices of the dyes in the treaty, when my personal option consignment are lumped with the peace treaty dyes, it will be found that the average price is low, particularly considering the exorbitant levels reached and paid by the American dye users during the war."

Upon the conclusion of these arrangements, which were terminated on August 4th last, Dr. Herty said he felt highly elated, and thought the matter settled as far as the machinery at home went. He was most chagrined, however, he said, to receive word from the United States that the consumer had become impatient and pressed the War Trade Board for action, with a result that permission had been granted to make arrangements direct.

"Can you imagine my feelings," asked Dr. Herty, "when I saw my house tumbling about my head? I was all at sea, for I did not know what to tell the reparation committee was wanted in the way of dyes, and feared to take any action because I was afraid I would make a mistake. Similarly, you can judge how I felt when all hands got together yesterday and promised to proceed under the arrangements I had made, as many of the applications filed direct have been withdrawn."

Asked when the dyes might be expected, Dr. Herty said it was hard to say, but opined they should be here by the first of January. He said the quicker they are on the way the better satisfied will the reparation committee be, and the better satisfied will the German manufacturers be. Transportation in Germany is very bad, he said; that is, railroad transportation, but fortunately the dyes to be received by the United States are coming from six plants in Germany situated on the water, so that it will be possible to lighter the consignments to Rotterdam, which he thought would be done without delay and within a reasonable time the dyes should be in America, he thought, not later than the first of the year.

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# Perfect Sanitation Good For The People

In an address printed in The Bulletin of October 16, 1919, Mr. Fuller E. Callaway of LaGrange, Ga., former president of the National Association of Cotton Manufacturers, and chairman of the European Commission of the recent World Cotton Conference, gives an interesting sidelight on the effects of sanitary utilities. He says:

"As I say, we have swimming pools. We do not charge anything. We have tickets which entitle the holder to admission. Now, you take a 'doffer' boy, and if he does not behave we take his swimming ticket away from him, and it has more influence with him than the fear of God. We have a great many things like that, and it has all proved to be good for the people."

Now, if the fear of losing a swimming ticket is so much respected by the "doffer boy", what would it mean to have your entire force benefit from a perfect system of sanitation—sewerage, bath, — mill and household conveniences?

For the manufacturer who wants to duplicate the experience of this manufacturer there are a host of suggestions in your local plumber's guidance and assistance and at almost any price he wishes to pay, and that promise, as in the instance cited, to turn out better people. Perfect Sanitation IS "good for the people."

In trying to give your people just the system they need, it is not necessary to bother with the inferior article—it might not prove to be good for your people. The perfect system is no competitor of any other. It stands alone in the field of sanitation.

Sanitation is to be judged as you would judge a good salesman—by results. Its purpose is ultimately to make people better, thus increasing the standard of health and production, and its one measure of merit is the number of happier, more contented people it makes and their stimulation to renewed endeavor. That means that the system must influence the worker and the first thing to take into consideration naturally, is the people to be influenced. Indeed a most vital thing to installing a system is that it should be so constructed as to be good for the people. Before going any further consult your local plumber. As you both proceed to work out your problems your sanitary measures will be effective.

Remember that people desire clean, wholesome surroundings because of the sense of comfort, convenience, and security which follow, and because—

1. It will help with our work.
2. It will add to the wealth of employer and employee.
3. Of the protection it affords the mill owner and his people.

4. It adds to the self-respect of your employees.

5. It contributes to greater efficiency.

The practical value of these is apparent. Discover what there is about a perfect sanitary system that is good for the people and you will see the practical value of the suggestion just enumerated.

The primary purpose of sanitation is of course the maintenance of health and clean surroundings but the chief factor for your employees is the value of its usefulness as it contributes to their wealth, contentment, and general efficiency. No matter how cheap or how attractive an inferior system might be the intelligent employee would prefer nothing less than the perfect system.

The skilled plumber can perform wonders with the perfect system. Besides adding to the health, etc., of employees; the joy of working in a sanitary mill is undoubtedly vastly increased. The people stick and seldom want to leave such a place.

The skilled plumber does not merely strive to sell his appliances, but to sell his service—his knowledge and experience. That is what he does on every contract. His service is backed by results. If the wise manufacturer is told all about the value of any other system he will ask for evidence in concrete results. The right principle of sanitation has held the service of the plumber.

Exaggerations either of effectiveness or quality of installation, and so forth, will eventually be discovered, in an inferior system. Where the price has been great those who bought will feel disappointed. There is no one thing so potent in sanitation as a capable plumber to carry through your work so as to merit your entire confidence in the results of perfect sanitation. The simple natural system is the best antidote for inferior ones, besides it does the work that is known already among large manufacturers.

The perfect system stands strictly on its own merit. It has to make good—for the good of your people.

Hundreds are saving money by using the perfect system; not only money, but many other things besides. Join them today. Consult your local plumber. He can usher you into the procession on a satisfactory basis.

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**Whitley Plan in Cotton Industry**

Manchester, Eng.—G. J. Wardle, parliamentary secretary to the Ministry of Labor, explained to a meeting of representatives of employers' association, trade unions and educational authorities in the Town Hall, Manchester, the policy of his department in assisting in the formation of works committees in accordance with the recommendations of the Whitley report. Edwin F. Stockton, president of the Manchester Chamber of Commerce, presided in the absence of the Lord Mayor.

A suggestion by Mr. Wardle that the time was ripe for the establishment of works committees in the Lancashire cotton industry was not adopted with any enthusiasm by employers' and operative delegates. The chairman of the Federation of Master Cotton Spinners' Association, the representatives of the Bolton Master Spinners, and the chairman of the Cardroom Amalgamation, all argued that the existing machinery of negotiation in the cotton trade was inadequate, and that the introduction of works committees would lead to chaos and overlapping. E. Duxbury, of the Loom Overlookers' Union, however, held that the work of the committees would do nothing but good.

Mr. Wardle said that if changes were to come about peaceably instead of by violence, new machinery and a new spirit of co-operation were needed. It was the desire of the Government, he said, that there should be in every industry either a Joint Industrial Council or a Trade Board. During the past two years fifty Joint Industrial Councils, embracing three million workpeople, had been set up, he added.

"I think," said Mr. Wardle, "the great industry of cotton might form a Joint Industrial Council." Other organizations performing similar functions, perhaps, were not so complete or pregnant with opportunity, he said. He suggested that all the trades in the district which have not yet formed industrial councils should consider the problem from the national point of view.

The real balance would never be reached or preserved by reliance upon a national council, he said. It was at the works where the contact must begin, if the two sides were to be brought so closely together that they might be said to be self-governing units. If works committees meant that there must be real, not sham, co-operation; that the employer had to give up something, that the employee had to bring something forth, he said. The new era of self-government in industry must be carried through in the works, said the speaker. The employer who was not prepared to go far in that direction had better not start at all, he declared. Experience was proving that works committees could supply what was necessary to replace the personal relationships which existed between employers and employees in the old days, asserted the speaker.

Mr. Crinion, chairman of the Cardroom Amalgamation, said the proper machinery was already in being in the cotton spinning industry. If works committees were introduced

there would be overlapping, he argued. A reconstruction committee had been formed from the Cotton Control Board to deal with all questions affecting the cotton industry, they had local committees in every mill, and if these were not able to settle anything other machinery existed in Manchester, he said.

Mr. Smethurst, chairman of the Federation of Master Cotton Spinners' Association, said the bulk of their trouble already came from the operations of shop committees or shop stewards. He was certain that this question required very careful consideration indeed. In the course of a few years, as a result of the proposed committees, they would not have the uniformity which both employers and trade unionists were trying to obtain, said Mr. Smethurst. Conditions very soon would not tend toward good relations between employers and workpeople. He would prefer to deal with a trade union secretary rather than with individual workmen in the mills, he said.

Mr. Wardle replied that the constitution of the works committees prevented their invading the province of the unions or the joint industrial councils and that they had a definite place in industry occupied by no other organization.

An account of the admirable results which followed the establishment of a works committee at the British Westinghouse Company's factory at Trafford Park, Manchester, was given by one of the speakers.

"All things come to those who wait, But here's a rule that's slicker: The man who goes for what he wants Will get it all the quicker."

A man who was wanted by the police had to be photographed in six different positions, and the pictures sent to the chief of police of a provincial town where it was thought likely the fugitive was in hiding. After the lapse of a few days the following reply reached headquarters:

"Sir: I duly received the portraits of the six miscreants whose capture is desired. I have arrested five of them and the sixth is under observation and will be secured shortly."—Tid-Bits.

**Some Applications of the Silent Chain Drive.**

(Continued from Page 9.)

a chain two links at a time unless what is termed a hunting link is used. Quite often, we find that some one has endeavored to shorten a chain one link without the use of hunting link. Where this is done the guide links come out of line and damage to the chain and sprockets results.

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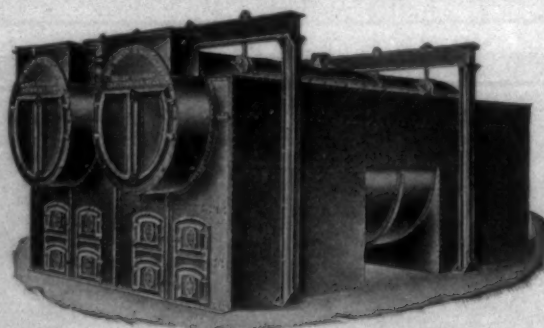
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## Cotton Goods

New York.—Trading in general in the cotton goods markets has been inactive during the week. Prices for gray cotton goods for printing and converting have undergone some accessions due to sales of speculative accounts by second-hands, induced, in all probability by the changed financial outlook. Buyers have been indifferent, and offerings of contracts have been made as low as 17½ cents for 38½-inch, 64x60s, for delivery in the first quarter of the year. The goods had been quoted as high as 19 cents. Most of the weakness was confined to a few staple constructions, of wide print cloths.

Markets on print cloths and a few of the sheetings were easier at the opening due to many offerings from second hands. Buyers showed little interest and when they did some of the low offerings were withdrawn. Mills continue to sell moderately of odd constructions and special fabrics and are watching the movement in second hands with indifference.

The scarcity of good, white cotton, it was further suggested, is expected to make its influence felt materially in the better grades of napped goods, especially in the whites and creams. It is absolutely necessary, it was asserted, to use pure white cotton in the manufacture of flannels in whites and creams. Present prospects are that the white cotton which will be available will be rather limited.

Second hands sold some 6.15s, at 14½ cents, net. It was also reported that these sources had sold 5.50 yard goods at 14½ cents, net; 36-in., 5.00 yard, at 16½ cents, net. The 4.70s appear to be more firm than the others mentioned, 48 cents, net, reported as being the best. It was stated that 4.50 yard goods could be had at less than the figure on the 4.70s. In 48 squares, 4.00 yard, 20 cents, net, in second hands, was heard. Fair trading in 36-inch, 40x40, 3.50 yard, soft yarn goods for napping, at 23 cents, net, was reported.

Comment was heard that the present market is different from any-

thing of its kind previously experienced. Heretofore, when the market became quiet and some prices declined, the effect on all other cotton goods was easily visible. Today, however, there is an actual and urgent demand for many classes of goods, which are scarce and difficult to be found. For these goods, considerable inquiry is reported about the market, with buyers apparently willing to pay top prices.

Some wide twills and special cloths for the automobile trades and other manufacturing purposes have sold at advances over the last top prices. Wide domets have sold at advances over the substantial advances over the openings for the previous season and the demand has already run far ahead of mill producing capacity. The products of the largest mills to July next will be allotted pro rata among buyers.

Yarns have held steady. Current trade is quieter but prices on most finished goods remain steady with a trend toward greater firmness in some specialties.

### Quotations follow:

Pr't cloths, 28-in., 64x64s...	13%
Pr't cloths, 28-in., 64x60s...	13½
Pr't cloths, 27-in., 64x60s...	12% a 12%
Gray g'ds, 38-in., 64x64s...	19
Gray g'ds, 39-in., 68x72s...	22½
Gray g'ds, 39-in., 80x80s...	29
Brown sheetings, 3-yard...	27
B'n sheet'gs, 4-yd., 55x60s...	22½
B'n sheet'gs, So. stand....	28
Tickings, 8-ounce .....	45
Denims, 2.20 (Ind.) .....	40
Stand. staple gingham....	22½
Dress gingham .....	27½ a 30
Standard prints .....	20
Kid finished cambrics....	17 a 18

"When I sing the tears come into my eyes. What can I do for this?"

"Stuff cotton in your ears."

"I thought you could keep a secret," said her friend.

"Well I kept it for a week," was the reply.

"Do you think I am a cold storage plant?"

We don't care so much about the hairs of our heads being numbered, but we would like to have 'em fastened in better.

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# The Yarn Market

Philadelphia.—Demand for yarns is not quite so strenuous but prices are a little higher and some difficulty in placing orders with spinners is reported.

Dealers also state that considerable business which would otherwise be pressing for attention, is being transacted outside of the ordinary market channels. This is said to be due to the approach of the period when the mills usually devote some time to the taking of inventories. The curtailment of demand, insofar as it is due to this cause, is declared to be normal and dullness is expected to increase within the coming weeks. Mills having in stock certain yarns which will play no part in the production schedules of those particular mills between now and the first of the year, are disposing of these surplus stocks to other mills that find themselves in need of such yarns. Manufacturers are also paring down their orders for the purpose of having on hand at inventory time as little yarn as possible, except that in process.

The fact that prices are again marking time for practically the entire list, has brought out further expressions of opinion as to the future of prices. The present absurd altitudes have been reached through two principal causes, it is admitted, these being the record breaking leap in cotton, especially in staple sorts, and the enormous pressure to buy exerted by the manufacturers of cotton fabrics.

While there is believed to have been some speculation in yarns recently, manufacturers have not hesitated to buy yarns freely and have been urging shipments. They have had no difficulty in selling their goods and were willing to pay market prices for yarns. For spot delivery it is hard to get certain numbers of two-ply weaving yarns. There is reported in some quarters a better demand from underwear manufacturers for 28s and 30s Southern frame-spun carded yarns. Spinners who are sold far ahead are quoting prices considerably above actual selling prices here. There has been a great deal of business placed through January, February and March and considerable in April, but many yarn houses are adopting a somewhat more cautious attitude and are not anxious for May and June orders.

Southern Two-Ply Chain Warps, Etc.			
6s-10s...	70	—	36s.....95
12s-14s...	73	—	38s.....1.05
16s.....75	—	40s.....1.40-1.50	
20s.....83	—	50s.....1.60	
24s.....95	—		
Southern Two-Ply Skeins			
4s-8s.....65	—	36s.....1.35	
10s-12s...	70	—	40s.....1.40-1.50
14s.....72	—	48s.....1.40-1.50	
16s.....75	—	50s.....1.60	
20s.....83	—	60s.....1.70	
24s.....93	—		
26s.....96	—	Upholstry	
30s.....1.05	—	Yarns—	
30s.....1.05	—	8s, 3 and	
		4-ply..60	
Duck Yarn—3, 4 and 5-ply Skeins.			
8s.....65	—	16s.....75	
10s.....70	—	20s.....82	
12s.....72	—		
Southern Single Chain Warps			
6s-12s...	68	—	24s.....90
14s.....72	—	26s.....92	
16s.....78	—	30s.....1.00	
20s.....78	—	40s.....1.30	
22s.....80	—		
Southern Single Skeins			
5s-8s.....66	—	20s.....78	
10s.....67	—	22s.....80	
12s.....68	—	24s.....82	
14s.....69	—	26s.....84	
16s.....70	—	30s.....88	
Southern Frame Cones			
8s.....65	—	20s.....71	—73
10s.....66	—	22s.....72	—74
12s.....67	—	24s.....77	—70
14s.....68	—	26s.....78	—80
16s.....69	—	30s.....80	—84
18s.....70	—	30s extra..85	—90
Combed Peeler Cones			
10s.....1.02 1/2	—	28s.....1.17 1/2	—
12s.....1.03 1/2	—	30s.....1.28	—
14s.....1.04 1/2	—	32s.....1.31	—
16s.....1.06	—	34s.....1.34	—
18s.....1.07 1/2	—	36s.....1.48	—
20s.....1.09	—	40s.....1.64	—
22s.....1.10 1/2	—	50s.....2.00	—
24s.....1.12 1/2	—	60s.....2.25	—
26s.....1.14 1/2	—		

## What's Pep?

It's the thing which makes the lambs gambol with glee, the colts prance with joy, the calves throw up their tails and run like fury, the birds sing in split-throat notes, the frog croak upon the creek bank, the insects buzz and hum in the air, along, the blacksmith laughingly beat the iron into shape, the plowman urge his horses with a "gee-up there," the engineer wave a kiss to his sweetheart as he throws open the throttle, the woodman smilingly plunge his ax into the giant tree, the banker and merchant rush to their work with a cherry "bye-bye," the mechanic and laborer fairly to dance to their jobs, the soldier "go over the top" with clinched jaws and courage that knows no fear, the life salesman hie to his calls with shoulders squared, pride in his heart, and nerves a-tingle with anticipation of new success. Oh, "pep" is anything that puts happiness in the heart, energy in the body, determination in the soul and invisible courage in the will.—Insurance World.

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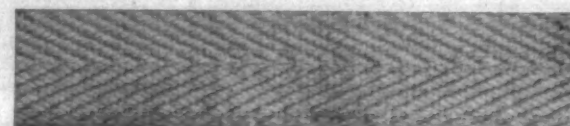
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## Want Department

If you are needing men for any position or have second hand machinery, etc., to sell the want columns of the **Southern Textile Bulletin** affords the best medium for advertising the fact.

### For Sale.

123 Knitting Machines, 10 Ribbers. Now in operation. Want to dispose of this to make room for other equipment. Address Ribber, care Southern Textile Bulletin.

### Wanted.

Man familiar with mill constructions of duck, sheetings, drills, and all cotton fabrics in general. State age, experience, former connections, and salary desired. Address personally, Mr. H. W. Bigelow, care of The Heltrick Mfg. Co., Toledo, Ohio.

### Agent or Manager.

Practical manufacturer of long years of experience, is open for engagement as agent or manager. Thoroughly understands each department of the mill as well as administration of office end. Holds splendid record. Best of references. Address Agent, care Southern Textile Bulletin.

### Spoolers for Sale.

4 new, Model L, Draper Spoolers, 100 spindles each, 6-in. traverse, 5½-in. gauge, individual motor connected with each spooler. These machines have never been run.

2-7x3½, 160 spindles, 5½-in. gauge, Saco-Lowell Fly Frames, 1912 model in A-1 condition. Indian Head Mills of Alabama, Cordova, Ala.

## Free Service Department

Any mill in need of superintendent, overseer, second hand, loom fixer, card grinder or any class of men other than operatives may insert a notice in this column for two weeks, free of charge. If the name of the mill is not given and the answers come care Southern Textile Bulletin, the cost of stamps used in forwarding replies must be paid by the advertiser.

### Wanted.

Wanted, Superintendent of knitting room, that can fix Geo. D. and Acme machines. Robersonville Hosiery Mill, Robersonville, N. C.

### Second Hand.

Want second hand for weave room making chambrays on Hopedale loom. Only first class fixers need apply; 35 cents per hour, 40 per cent bonus. Apply 437 S. Elm St., Winston-Salem, N. C.

### Community Worker.

Large cotton mill would like to get in touch with young lady capable of doing community work. Prefer some one who has had previous experience. Address C. W. J., care Textile Bulletin.

### Loom Fixers.

Wanted at once, three good loom fixers familiar with Lowell looms. Cook Duck Mills, Cedartown, Ga.

Ed Gurley will learn something to his interest by writing J. E. Hand, Overseer of Carding, and Ring Spinning, G. H. Tilton & Sons, Savannah, Ga.

### Wanted.

Wanted — Superintendent of knitting room, that can fix Geo. D. machines. Elizabeth Hosiery Mill, Pittsboro, N. C.

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## EMPLOYMENT BUREAU

The fee for joining our employment bureau for three months is \$2.00 which will also cover the cost of carrying a small advertisement for one month.

If the applicant is a subscriber to the Southern Textile Bulletin and his subscription is paid up to the date of his joining the employment bureau the above fee is only \$1.00.

During the three months' membership we send the applicant notices of all vacancies in the position which he desires.

We do not guarantee to place every man who joins our employment bureau, but we do give them the best service of any employment bureau connected with the Southern textile industry.

WANT position as overseer of carding and spinning or superintendent of five or ten thousand spindle mill. Long experience and ability to give satisfaction. Address No. 2551.

WANT position with big mill as overseer of spinning. Twelve years experience on all yarns and stock with some of the biggest mills in South. References furnished. Address No. 2552.

WANT—Position as overseer of large cloth room or weave room and cloth room combined. 17 years experience in these departments as overseer. Can satisfy both mill and selling house. Address No. 2553.

WANT position as overseer of spinning in large mill. Now employed and giving satisfaction, but for good reasons prefer change. Can furnish reference. Address 2554.

WANT position as overseer of carding or spinning by experienced man of good character. A good manager of help and can get production. References if wanted. Address No. 2555.

WANT position as overseer of carding or spinning or would consider spooling, warping and twisting if price is right. Have been doing government work for some time, but expect to be released soon. Address No. 2556.

WANT position as superintendent. Am practical man of many years experience and can give satisfaction in any size mill. Now employed. Excellent references. Address No. 2557.

WANT position as overseer of carding by man with long experience. Can furnish reference as to ability and character. Address No. 2558.

WANT position as overseer of carding and spinning or assistant superintendent or superintendent by man of long experience and capable of handling job and getting production. Address No. 2559.

WANT position as superintendent of small mill or carder or spinner of large mill. Married. Age 31. Can give first class reference as to character and ability. Address No. 2560.

WANT position as superintendent by man who is experienced on fine combed and carded yarns, single and ply. Can furnish best of references. Address No. 2561.

WANT position as superintendent of yarn or weaving mill on sheetings, drills, denims, duck or cambrics in Georgia, North or South Carolina. Getting along fine on present job. No complaint. Just want little more money and must move to get it. Good references. Address 2562.

WANT position as superintendent or overseer of large room of spinning. Thoroughly capable of handling any size job. Have had experience on all kinds of white and colored work. Address No. 2563.

WANT position as carder and spinner in small mill or carder in large mill or superintendent of small yarn mill. Have had long experience as carder and spinner, five years on present job. Good references. Address No. 2564.

WANT position as overseer of spinning or carding and spinning or superintendent. Long experience and can furnish best of references as to ability and character. Would prefer large spinning room. Address No. 2565.

WANT position as overseer of spinning by thoroughly reliable young man with long experience in cotton mill. Have been giving satisfaction as overseer for some time. Address No. 2566.

WANT position as superintendent by man with long practical experience who has successfully handled some of the best mills in the South. Will furnish reference upon request. Address No. 2567.

WANT position as overseer of carding or spinning by man of long experience. Thoroughly competent and a good manager of help. Can furnish good references. Address No. 2568.

WANT position as overseer of spinning or superintendent. Have had twenty years experience on all kinds of yarn. Can furnish references. Present employer will recommend. Address No. 2569.

WANT position as superintendent by man now employed and giving satisfaction but wish to change for larger job. Can furnish reference as to character and ability. Address No. 2570.

WANT position as superintendent of large yarn mill. Now employed but want to make change. Experienced on white and colored yarns. Can furnish references. Address No. 2571.

WANT position as assistant to superintendent or general manager of large cotton mill. Thirty years of age and have had eleven years experience in cotton mill office as stenographer and general utility clerk. Now employed and can furnish references when needed. Address No. 2572.

WANT position as overseer of spinning. Now employed as overseer of spinning, twisting and spooling but want larger position with chance for promotion. Married, 31 years of age, sober, experienced on all grades of cotton and coarse and fine yarn, good manager of help. Address No. 2576.

WANT position as assistant manager or superintendent or efficiency man by cotton mill man of character and experience who is thoroughly reliable and can give satisfaction. References furnished. Address No. 2574.

WANT position as manager or superintendent of large cotton mill. Have had long and varied experience. Now employed and giving satisfaction, but desire to change location for good reasons. Address No. 2574.

WANT position as overseer of card room paying not less than \$40 per week. Would accept carding and spinning. Want to locate where there is good day and Sunday school. Married, 7 children. Can furnish reference as to character and ability to hold position and get results. Address No. 2573.

WANT position as overseer of weaving by practical man with 8 years experience as such. Now employed as overseer, but would like to change to a healthy location. Have always handled help successfully, and can get production consistent with quality. Good references. Address No. 2577.

WANT position as overseer of carding or spinning or both or superintendent of medium size yarn mill. Have had long experience. Now employed and giving satisfaction but wish to change location and get something better. Can furnish best of references. Address No. 2498.

WANT position as overseer of weaving in mill making plain goods. Have had considerable experience and can handle any plain goods room. Excellent manager of help. Now overseer of weaving in mill producing fancies. Address No. 2579.

WANT position as superintendent or overseer of carding or overseer of carding, spinning, twisting and winding. Would not consider place paying less than \$36 per week. References if wanted. Address No. 2580.

WANT position as superintendent or overseer of weaving in large mill. Have had 12 years experience on duck drill and fancies. Now overseer of weaving in room of 1,300 looms. Good reason for changing. Address No. 2581.

WANT position as overseer of carding. Practical man and can get results. References furnished as to ability and character. Address No. 2582.

WANT position as overseer of weaving or finishing on any kind of work but prefer ginghams, denims or any colored work. Good references if wanted. Address No. 2583.

WANT position as secretary, treasury or

manager of mill. Now employed as manager of small mill and giving satisfaction, but wish to change for larger position. Could take some stock in plant. Address No. 2586.

WANT position as superintendent of large yarn and weaving mill. Now employed and have had experience on nearly all kinds of work. References if wanted. Address No. 2578.

WANT position as superintendent or will accept carding in large mill. Have had 20 years experience on carded work. Age 42. Married. A-1 references from previous employers. Address No. 2584.

WANT position as overseer of carding in large mill or superintendent of small mill. Have been overseer of carding and spinning for 15 years. 10 years at one mill. Can deliver the goods. Now employed but wish to make change. Address 2585.

WANT position as superintendent of yarn mill or weaving mill. Experienced on all kinds of work and can furnish reference. Address No. 2587.

WANT position as overseer of spinning in large mill or carder and spinner in small mill or superintendent in 5,000 or 10,000-spindle mill. Now employed as carder and spinner on 15,000 spindles, but want larger mill. Twenty-nine years of age, 8 years experience as overseer, and can give good reference. Address No. 2588.

WANT position as overseer of carding by married man 30 years of age, now second hand in large mill. Have had 5 years experience as overseer. Can furnish reference as to character and ability. Address 2589.

WANT position as superintendent of either yarn or plain weaving mill or as carder and spinner. Am now employed and giving satisfaction and have had long experience on both carding and spinning. Good references. Address No. 2590.

WANT position as superintendent of mill. Long experience. Can furnish best of reference as to character and ability. Address No. 2591.

WANT position as superintendent of large mill by man of excellent character with long and prosperous experience in mill business. Can give satisfaction and will be glad to communicate with mill in need of man. Address No. 2592.

WANT position as carder or spinner or superintendent. Can furnish reference as to character and ability. Address No. 2593.

WANT position as superintendent by experienced man who is a good manager of help and can get satisfactory production. Best of references. Address 2494.

WANT position as superintendent or overseer of spinning in large cotton mill. Have had long experience in mill business and can keep work humming. Now employed but want to make change. Address No. 2595.

WANT position as superintendent of yarn mill with 10,000 or 15,000 spindles. Can furnish references as to character and ability. Address No. 2596.

WANT position as pay roll clerk with large mill by man familiar with cotton mill work. Married, 30 years of age, strictly sober and energetic in work. Can furnish reference. Address No. 2597.

WANT position as superintendent of yarn mill or overseer of spinning in large weave mill. Long experience as carder and spinner. Good references. Address No. 2598.

WANT position as superintendent of weave or yarn mill in North or South Carolina. Competent man, able to assure satisfaction. Now employed. Best of reference. Address No. 2599.

WANT position as overseer of plain weaving and ducks. Have eight years experience as overseer in some of the largest Southern mills. Age 38. Married. Can come on short notice. Address No. 2600.

WANT position as superintendent of medium size mill. Now employed but wish to change for good reasons. Can furnish reference if wanted. Address No. 2601.

WANT position as superintendent or assistant general manager of large cotton mill, can furnish reference as to character and ability. Twenty-seven years of age and unmarried. Address No. 2601.

WANT position as overseer of weaving on fancy or plain, white or colored. Have had 14 years experience as overseer. Good references. Address No. 2603.

WANT position as overseer of weaving in large mill. Have had experience on sheeting, drills and denims, and can give A No. 1 reference. Address No. 2604.

WANT position as superintendent of yarn mill or overseer of large card room. Now employed as superintendent of small yarn mill and giving satisfaction but want larger place with progressive company. Address No. 2605.

WANT position as overseer of weaving by man who has had 18 years experience in large fancy weave room. Now employed as second hand. Graduate of I. C. S. in designing and weaving. Good character. Address No. 2606.

WANT position as manager or superintendent of cotton mill by experienced man, thoroughly capable of handling mill and getting production. Address No. 2607.

WANT position as overseer of spinning in big mill by man with long experience. Would take position as traveling salesman with some firm selling to Southern mill. Address No. 2524.

WANT position as overseer of weaving on plain or fancies. Have had eight years experience. Can furnish reference. Address No. 2529.

WANT position as superintendent of mill in Piedmont section of North or South Carolina. Prefer yarn mill or mill on plain weaving. Have successfully handled 25,000-spindle mill and had wide experience as superintendent. Address No. 2608.

WANT position as superintendent of mill by around cotton mill man who has had experience on most all classes of work and who can furnish excellent references as to character and ability. Address No. 2609.

WANT position as overseer of weaving, by man who has had long and varied experience as weaver. Have been out of mill business for awhile but desire to get back now. Can furnish satisfactory references. Address No. 2610.

WANT position as overseer of weaving. Experienced on ducks, drills, twills and prints. Can give satisfaction as to quality and quantity. Now employed, but wish to change on account of outside condition. Address No. 2611.

WANT position as overseer of carding by mill man 38 years of age who has been giving satisfaction as carder and assistant for past 10 years. References if wanted. Address No. 2612.

WANT position as overseer of carding by man who is thoroughly capable and of good character. A good, experienced man who can handle help and keep a card room in good order. Address No. 2613.

WANT position as superintendent of small yarn mill or weaving mill. Can furnish reference as to character and ability. Age 37. Address No. 2614.

WANT position as superintendent of yarn or cloth mill or overseer of carding and spinning in large mill. Understand white and colored work, hosiery and underwear yarns, twisting, cone and tube winding, Denn warping, etc. Can get results. Good reference. Overseer of carding and spinning 17 years, superintendent 7 years. Address No. 2615.

WANT position as overseer of carding and spinning in large mill or superintendent of small yarn mill. Experienced on most all kinds of work and can give satisfaction. Address No. 2616.

WANT position as overseer of plain weave room with Draper looms. Experienced on cords and poplins. Can come at once. Not now employed, having given up last job of own accord. Good reference. Address No. 2617.

WANT position as overseer of weaving by man experienced on a wide variety of cloths and can give satisfaction as to quantity and quality. Good manager of help. First class reference. Address No. 2618.

WANT position as overseer of large weave room or superintendent of small weaving mill. Best of reference. Reliable, honest and competent. Address No. 2619.



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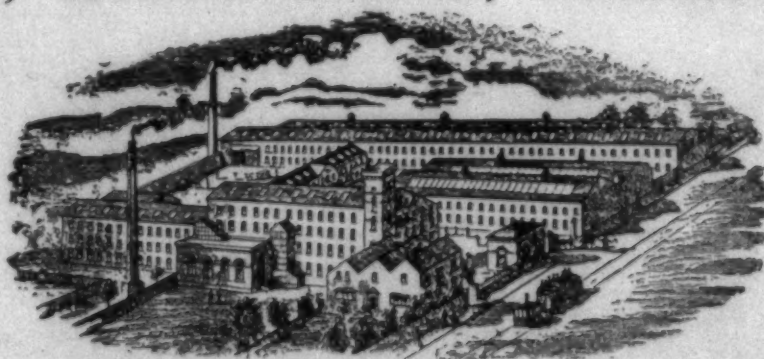
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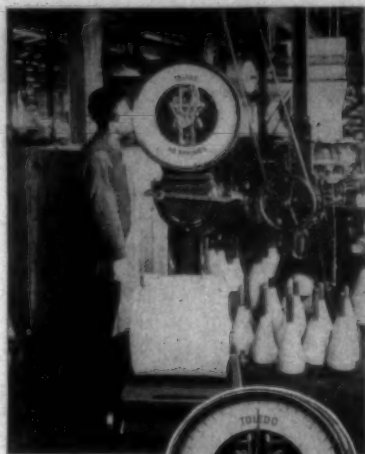
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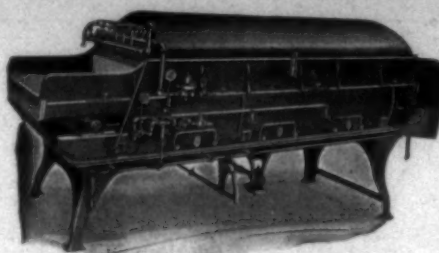
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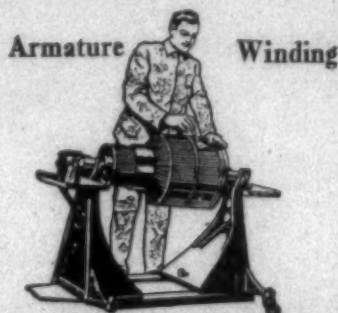
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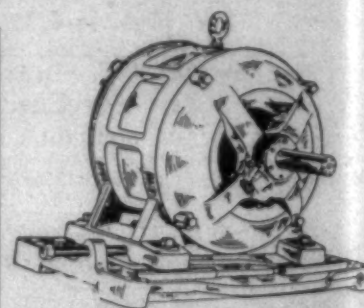
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